

Massachusetts Support for Cape Wind, State Clean Energy Leadership

Prepared for
Civil Society Institute (CSI)

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March 6, 2008



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Methodology

Results are based on three telephone surveys, each consisting of telephone interviews conducted among a sample of adults age 18 and over, living in private households, in the state of Massachusetts. The 2006 and 2007 surveys were each conducted among 600 adults in the state. The 2008 survey was conducted among 1,203 Massachusetts adults. Interviewing was completed during the period of February 22-26, 2008, July 25-August 2, 2007 and May 25-28, 2006.

All three sets of completed interviews were weighted by two variables: age and gender, to ensure reliable and accurate representation of the adult population.

The margin of error at a 95% confidence level is plus or minus 4 percentage points for the sample of 600 adults. For the 2008 sample of 1,200 the margin is plus or minus 3 percentage points. Smaller sub-groups will have larger error margins.

Executive Summary

In the wake of a widely publicized draft federal Environmental Impact Statement (EIS) issuing a clean bill of health to the Cape Wind offshore turbine farm proposed for Nantucket Sound, support for the wind project has grown in Massachusetts:

- 87 percent of state residents -- including 77 percent of Cape Cod/Islands residents -- say they are now “more likely to support Cape Wind” in the wake of the draft U.S. Minerals Management Service environmental impact statement finding “no major harms to the environment resulting from the Cape Wind project for Nantucket Sound.”
- Support for Cape Wind in Massachusetts has grown to 86 percent -- compared to 84 percent in August 2007 and 81 percent in June 2006 surveys posing the same question. Support for Cape Wind is bipartisan: Republicans (87 percent); Democrats (86 percent); and Independents (80 percent).
- The growth in support for the Cape Wind project in Cape Cod/the Islands is even more striking -- rising to 74 percent in the new recent survey, compared to 61 percent in October 2007 (in a survey limited to Cape Cod/Islands residents) and 58 percent in August 2007. Opposition to Cape Wind in the Cape/Islands region has shrunk to less than one in four adults (24 percent compared to 13 percent statewide), with well under one in five Cape/Islands residents (16 percent) expressing strong opposition. (In all three surveys referenced here, the same question was posed to respondents.)

Executive Summary

- It may be possible to further increase support for Cape Wind in Massachusetts. Nearly nine out of 10 state residents (86 percent) — including 71 percent of Cape Cod/Islands residents — say they are more likely to support the Cape Wind project when told that “the coal-fired power plants that supply a great deal of the electric power in Massachusetts get a substantial amount of their coal from two sources - mountain top removal coal mining that has destroyed 500 mountains in the United States and also from the world's largest open pit coal mine in Colombia that has been linked to human rights abuses.”
- Support for Cape Wind also rises when Massachusetts residents are told that the state could be a national clean energy leaders by permitting the wind project to proceed. Nearly nine out of 10 state residents (88 percent) — including 77 percent of Cape Cod/Islands residents — are more likely to support the project when told the following: “Today, Massachusetts trails nearly all other states - such as Texas -- when it comes to the development and deployment of clean energy wind technology and related jobs. Experts say that Massachusetts could move up the list from the bottom 10 states where it is now, to the top 10 states in terms of wind power production, if it moves ahead with the Cape Wind project in Nantucket Sound.”
- More than nine out of 10 state residents (94 percent) — including 82 percent of Cape Cod/Islands residents — think the Bay State should be “a national leader in using cleaner and renewable energy on a large scale by moving ahead with offshore wind power, and other alternative-energy initiatives.” Almost three out of four state residents (72 percent) think that such leadership would be a “very good idea.”

Executive Summary

- Over three out of four state residents (78 percent) – including 77 percent of those living on Cape Cod/the Islands – think that “Massachusetts should reduce regulatory red tape and other barriers to the widespread use of clean energy technology and jobs.”
- Nearly all state residents (95 percent) think that Massachusetts should seek to spark another “Massachusetts Miracle” in the vein of the Route 128 tech boom by “seeking to create new jobs and industries by becoming a national hub for new energy technology development.”
- Nearly all state residents (95 percent) think it is “important” that “Massachusetts take the steps needed now to ‘unplug’ itself from coal- and oil-based power and ‘plug in’ to solar, wind and other clean energy sources.” Of those polled, more than three out of four (76 percent) said it was “very important” for this transition to take place.
- About nine out of 10 state residents (88 percent) – including 76 percent of Republicans, 94 percent of Democrats and 86 percent of Independents – think that Massachusetts Governor Deval Patrick should follow the lead of California Gov. Arnold Schwarzenegger “when it comes to state government leadership on global warming solutions and the promotion of clean, renewable energy.”
- Wind is favored by more than four out of five state residents (83 percent) – including 75 percent of Cape/Island residents – as the best source of electricity for Cape Cod and the Islands, compared to nuclear (10 percent), coal (3 percent) and other (2 percent).

Executive Summary

- More than nine out of 10 state residents (92 percent) -- including 84 percent of Cape Code/Islands residents -- favor the use of more wind power “before we resort to adding more nuclear power.”
- Four out of five state residents – including 77 percent of Cape/Islands residents -- favor a “five-year moratorium on new coal-fired power plants on the East Coast and the rest of the United States if there was stepped-up investment on clean, safe renewable energy - such as wind and solar - and improved home energy-efficiency standards.”
- About nine out of 10 Massachusetts residents -- including 84 percent of Cape/Islands residents -- agree with the following statement: "The effects of global warming require that we take timely and decisive steps for renewable, safe and clean energy sources. We need transitional technologies on our path to energy independence. There are tough choices to be made and tradeoffs. We cannot afford to postpone decisions since there are no perfect options."
- About nine out of 10 state residents (89 percent) favor “enhanced home energy-efficiency standards in Massachusetts and the rest of the United States in order to decrease heating and cooling energy consumption and related bills for consumers.” An identical percentage of state residents support “state and federal tax incentives for new construction that use available home energy-efficiency technologies and construction methods in Massachusetts and the rest of the United States in order to decrease heating and cooling energy consumption and related bills for consumers.”

Executive Summary

- About three out of four state residents (76 percent) -- including 90 percent of Cape/Islands residents -- are “aware of the public discussion about Cape Wind, the offshore wind farm proposed for Nantucket Sound.”
- A total of 1,203 respondents were contacted on an unweighted basis.

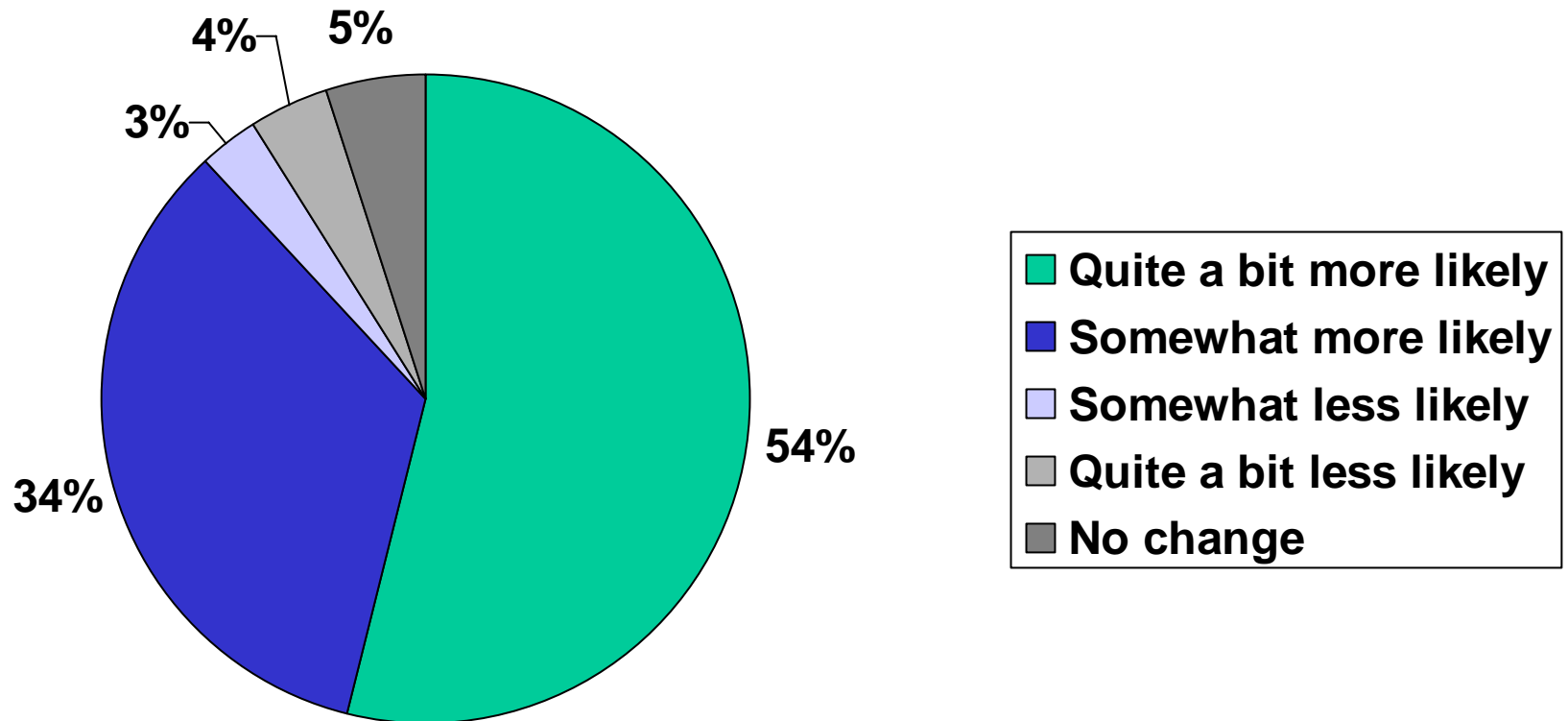
Detailed Charts

Effect of the Minerals Management Service Report on Support for Cape Wind

- The recently released report from the federal Minerals Management Service that finds no major harm to the environment as a result of the Cape Wind project, has a profound effect on support for the project. Nearly nine in 10 Massachusetts residents (87%) said that report made them quite a bit more (54%) or somewhat more (34%) likely to support the Cape Wind project. Only seven percent said the report made them less likely to support Cape Wind.
 - Across party lines, 90% of Republicans and 89% of Democrats said the report made them more likely to support Cape Wind. Only 77% of Independents had the same reaction to the report.
 - Not surprisingly, 94% of those who support Cape Wind said this information makes them more likely to support Cape Wind. But interestingly, 46% of those who are opposed to the project say that this information makes them more likely to support it.
 - Among Cape and non-Cape residents, 77% of those who live on the Cape say this information makes them more likely to support the project, compared to 88% of those in the rest of the state.

Effect of the Minerals Management Service Report on Support for Cape Wind

Q6A: In January 2008, the federal government's Minerals Management Service released an environmental impact statement that found no major harms to the environment resulting from the Cape Wind project for Nantucket Sound. Knowing this, would you say that you are more or less likely to support Cape Wind?



Base = Total respondents: In 2008: 1,203 adults living in Massachusetts.

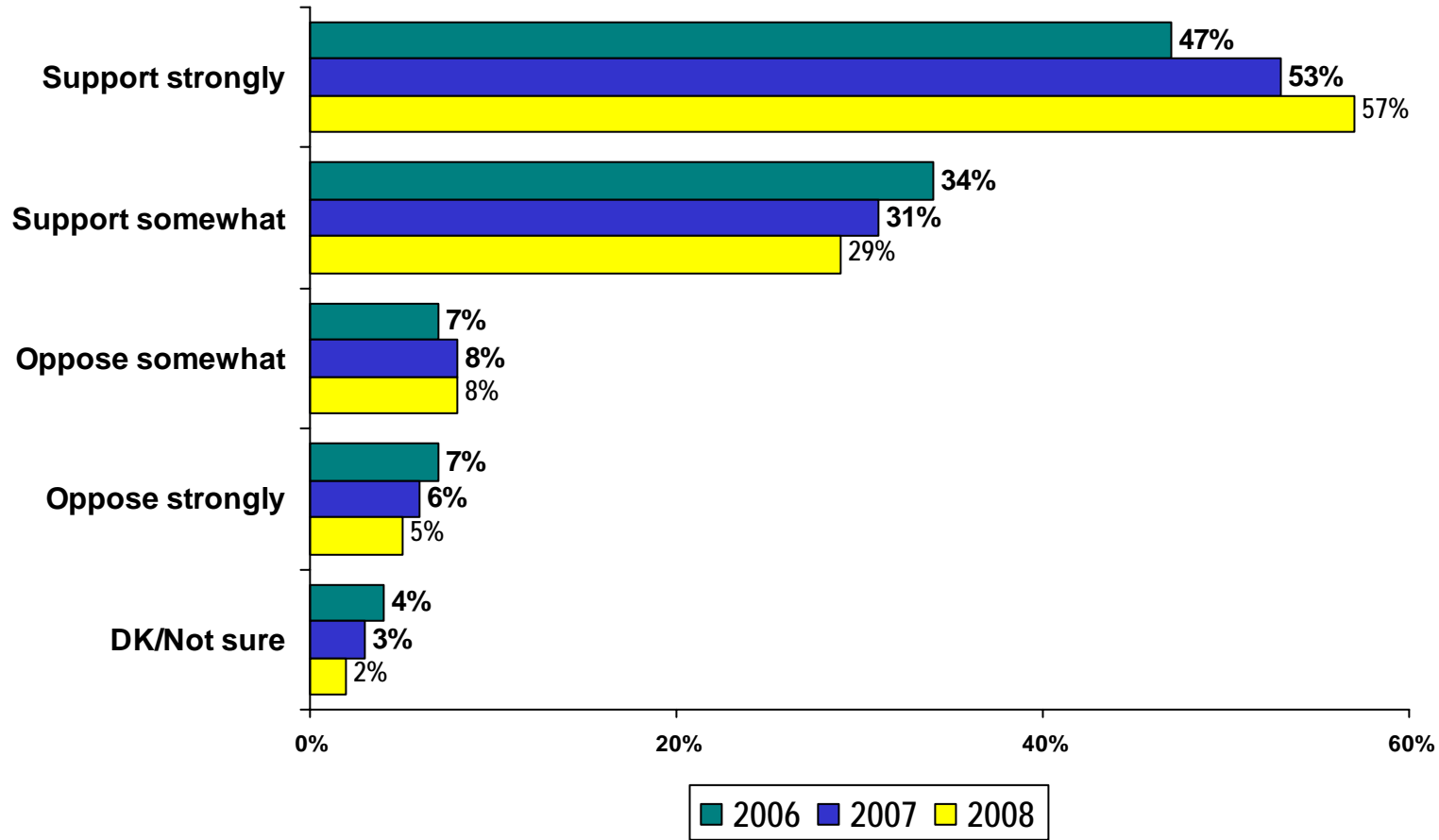
Supporting the Cape Wind Project

- Eight in 10 Massachusetts residents (86% in 2008, 84% in 2007 and 81% in 2006) support the proposed Cape Wind project. In 2008, 57% support it strongly and 29% support it somewhat. Only thirteen percent oppose the project – 8% oppose it somewhat and 5% oppose it strongly.
- In 2008....
 - Men and women both express equal levels of support – 86% for men and 85% for women. But interestingly men are a lot more likely to express their support strongly than are women (65% vs. 50%.) On the other hand, women are a lot more likely to say they support Cape Wind somewhat than men (36% vs. 21%).
 - Regardless of party affiliation, support is strong: 87% of Republicans, 86% of Democrats and 80% of Independents support Cape Wind.
 - 86% of those who say they will vote in 2008 say they support Cape Wind compared to 75% of those who say they will not vote.
 - Respondents who do not live on the Cape/the Islands are more likely to support the project (87%) compared to those who do reside on the Cape/the Islands (74%) but the gap has narrowed significantly since the last survey when the results were 86% support among non-Cape and 58% support among Cape residents.

Supporting the Cape Wind Project

Q6/4/5: The proposed Cape Wind offshore wind farm would involve wind turbines being placed in Nantucket Sound about five and a half miles from the Town of Hyannis. It is estimated that the project could produce enough power for about half of Cape Cod's electricity needs. People who support the project say it is needed to generate clean, renewable alternative energy for Cape Cod and also to reduce our reliance on imported energy without increasing global-warming emissions. People who oppose the project say it might be visually unappealing, could interfere with recreational sailing or other navigation, and might endanger birds. After hearing these positions, do you strongly support the proposed Cape Wind project, somewhat support it, somewhat oppose it, or strongly oppose it?

Majority Support Cape Wind



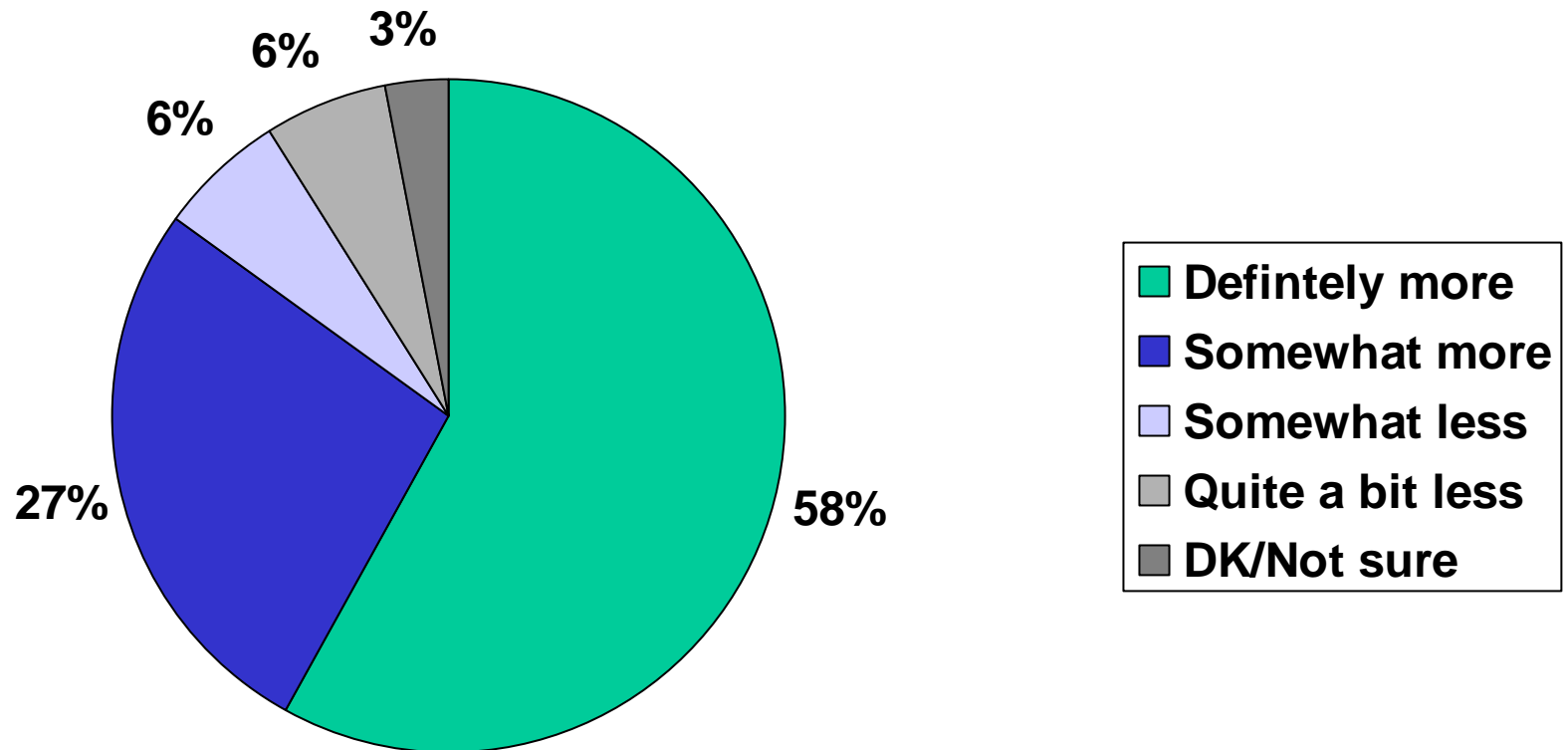
Base = Total respondents: 600 adults living in Massachusetts in 2006 and 2007. In 2008: 1,203 adults living in Massachusetts.

Knowledge of Where Coal-Fired Power Plants Get Their Coal, Increases Support for Cape Wind

- When told that coal-fired power plants get their coal from mountain top removal mining or from the world's largest open-pit mine in Colombia which is linked to human rights abuses, respondents indicate this makes them more likely to support the Cape Wind initiative. Given this information, 86% of respondents say this makes them more likely to support Cape Wind. Only 12% say this makes them less likely to support it.
 - The power of this information to drive support for Cape Wind manifests itself across all party lines: Republicans 81%, Democrats 89% and Independents 82%.
 - Eighty-one percent of those who are unaware of Cape Wind say this information makes them more likely to support it.
 - The argument has a stronger effect on those who do not live on the Cape than those who do – 87% of those not on the Cape say this makes them more likely to support Cape Wind vs. 71% of those on the Cape.

Knowledge of Where Coal-Fired Power Plants Get Their Coal, Increases Support for Cape Wind

Q8AA: Are you aware that the coal-fired power plants that supply a great deal of the electric power in Massachusetts get a substantial amount of their coal from two sources – mountain top removal coal mining that has destroyed 500 mountains in the United States, and also from the world's largest open pit coal mine in Colombia that has been linked to human rights abuses? Knowing this, would you say that you are more or less likely to support the following... The Cape Wind project and other renewable energy projects.



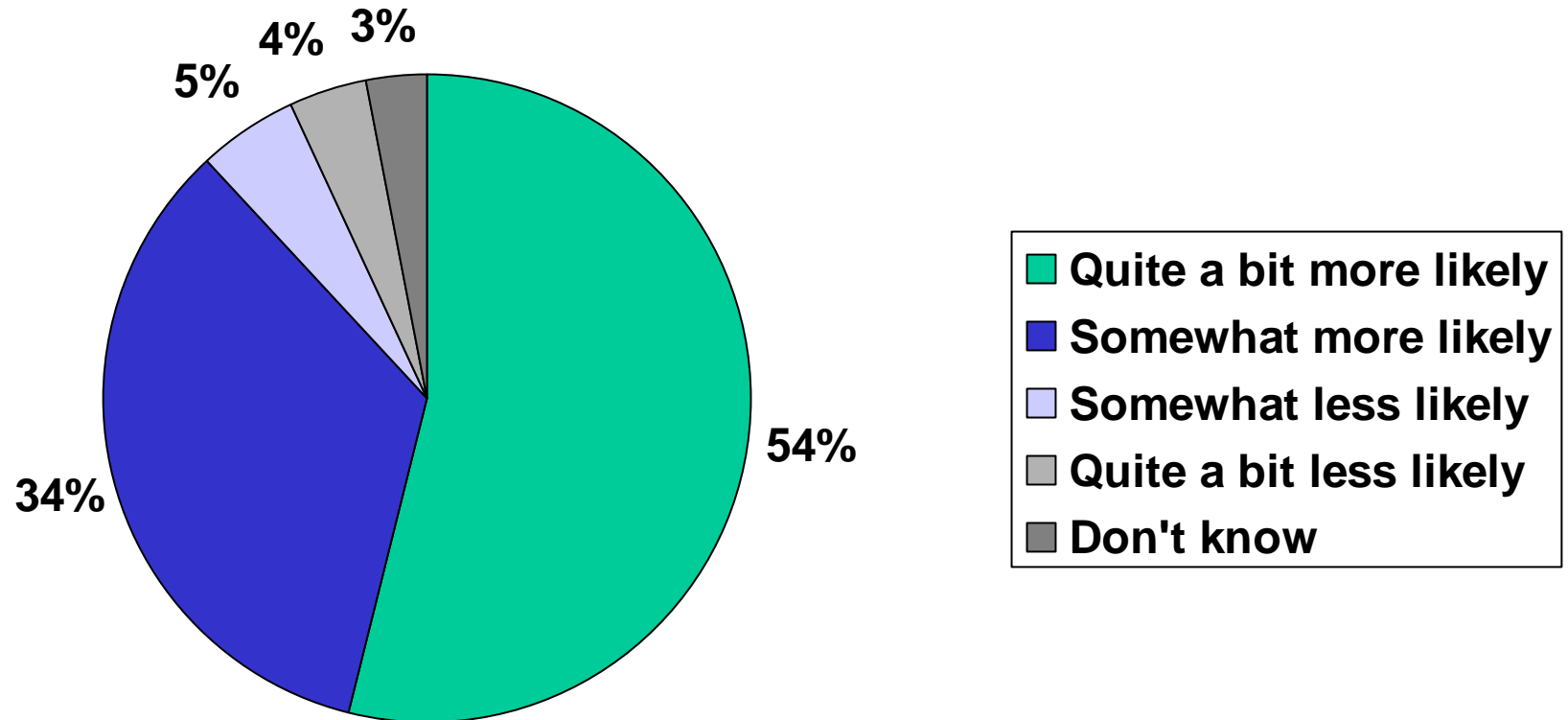
Base = Total respondents: In 2008: 1,203 adults living in Massachusetts.

Effect of Massachusetts Becoming a Clean Energy Leader on Support for Cape Wind

- Another question informed respondents that Massachusetts could move up from the bottom 10 states when it comes to deploying clean energy, to the top 10 states if it deployed Cape Wind. Massachusetts respondents were asked what effect this information had on their support for the project. Eighty-eight percent said it made them quite a bit (54%) or somewhat (34%) more likely to support Cape Wind. Only 9% said this made them less likely.
 - Again, support for Cape Wind upon learning this information is universally strong among Republicans (89%), Democrats (90%) and Independents (80%).
 - Interestingly, 90% of those who are not aware of Cape Wind said that this information made them more likely to support it, which indicates that a public education campaign designed to reach those who have not heard of Cape Wind, could change their views favorably toward the project.
 - Also, 40% of those who already know about Cape Wind and say they oppose it, said that this information would make them more likely to support it.
 - 89% of those who live elsewhere in the state say this information makes them more likely to support Cape Wind, compared to 77% of those who live on the Cape.

Effect of Massachusetts Becoming a Clean Energy Leader on Support for Cape Wind

Q6B: Today, Massachusetts trails nearly all other states – such as Texas – when it comes to the development and deployment of clean energy wind technology and related jobs. Experts say that Massachusetts could move up the list from the bottom 10 states where it is now to the top 10 states in terms of wind power production, if it moves ahead with the Cape Wind project in Nantucket Sound. Knowing this, would you say you are...



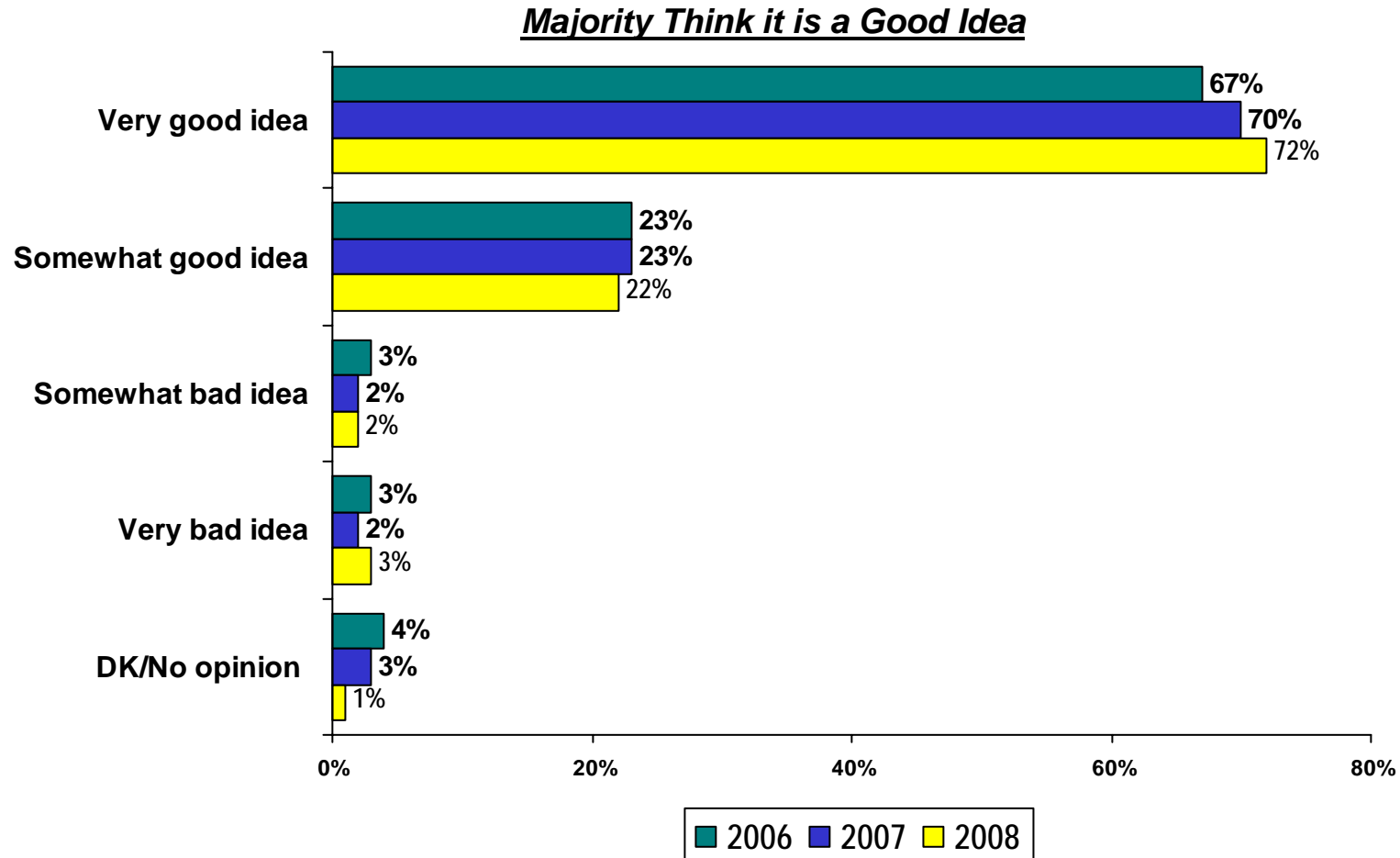
Base = Total respondents: In 2008: 1,203 adults living in Massachusetts.

Massachusetts Being a Leader in Using Cleaner and Renewable Energy

- The vast majority of Massachusetts residents (94% in 2008, 93% in 2007 and 90% in 2006) think it is a good idea for Massachusetts to be a national leader in using clean renewable energy on a large scale by moving ahead with offshore wind power and other alternative-energy initiatives. Of this group, in the latest survey, 72% say it is a very good idea and 22% say it is a somewhat good idea. Only 5% in the latest survey, 4% in 2005 and 6% in the 2006 survey say it is a bad idea.
- In 2008...
 - Women are slightly more likely than men to think this is a good idea (96% vs. 91%).
 - Across party lines support is universal: Republicans (91%), Democrats (96%) and Independents (90%).
 - Those who support the Cape Wind initiative are more likely to think this is a good idea (98%) than are those who oppose Cape Wind (71%).
 - Among non-Cape respondents 95% think it is a good idea for the state to become a leader in this area compared to 82% of those who live on the Cape.

Massachusetts Being a Leader in Using Cleaner and Renewable Energy

Q1,1,1: Massachusetts could be a national leader in using cleaner and renewable energy on a large scale by moving ahead with offshore wind power and other alternative-energy initiatives. Do you think it is a good idea or bad idea for Massachusetts to be a leader in this way? Would you say...



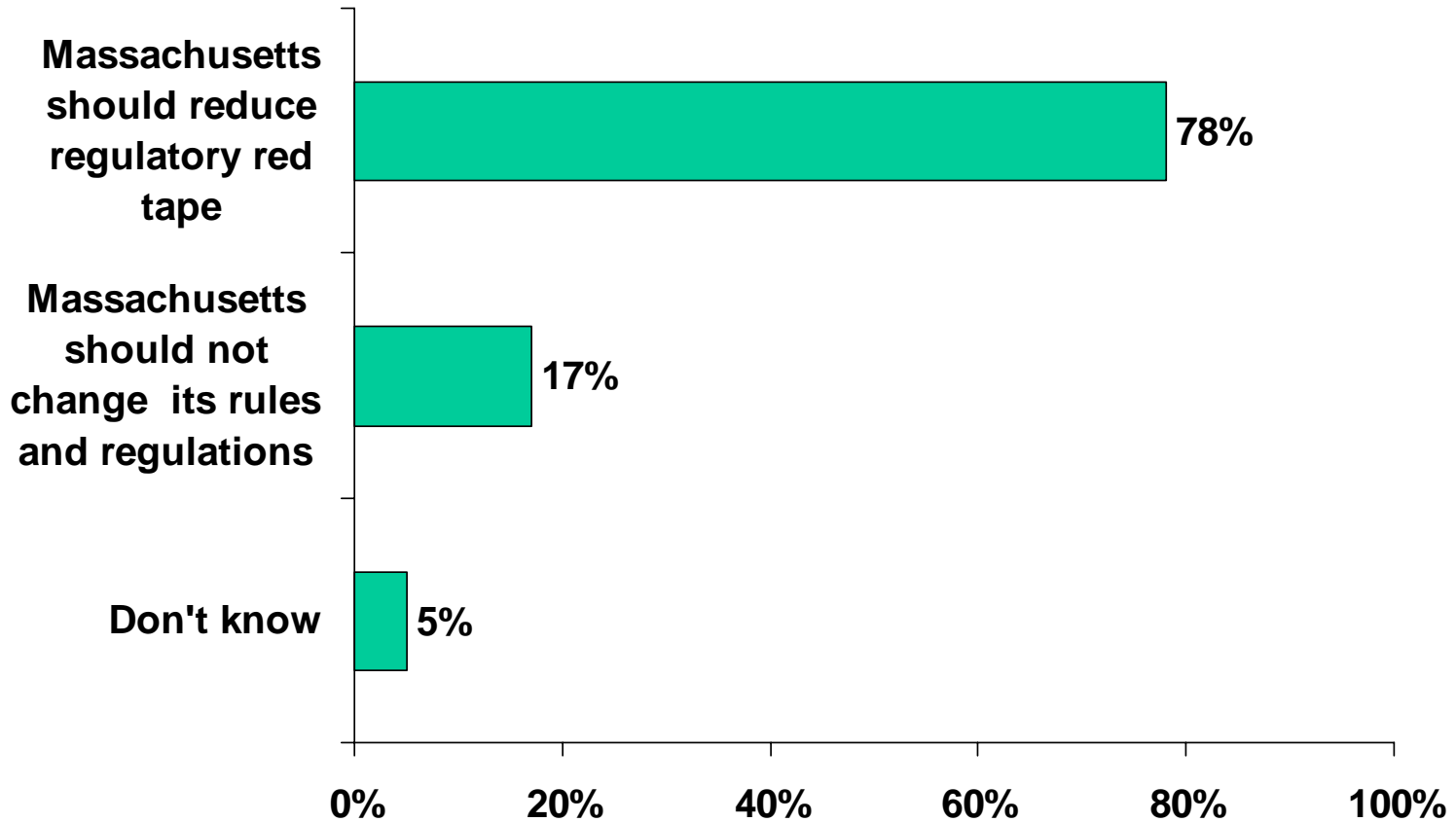
Base = Total respondents: 600 adults living in Massachusetts in 2006 and 2007. In 2008: 1,203 adults living in Massachusetts.

Should Massachusetts Reduce Regulatory Red Tape in the Area of Clean Energy to Compete?

- Most (78%) state residents think Massachusetts should reduce regulatory red tape in order to compete in the area of clean energy with California and other states. Seventeen percent do not think their state should do this.
 - Democrats are the most likely to support this idea (82%) compared to only 77% of Republicans and just 67% of Independents.
 - Eighty-one percent of those who favor Cape Wind think the state should reduce red tape in this area while only 58% of those who oppose Cape Wind are in favor of reducing the red tape.
 - Similar levels of support are found for this idea among residents of the Cape (77%) and non-Cape (79%).

Should Massachusetts Reduce Regulatory Red Tape in the Area of Clean Energy to Compete?

Q1A: An August 2007 study found that the clean energy sector in Massachusetts already supports 14,400 jobs and is poised to be the tenth largest source of employment in the state. The same survey found that California is the state's biggest clean energy competitor – but that California has more “clean energy friendly” regulations than the Bay State. Which of the following statements do you agree with more?



Base = Total respondents: In 2008: 1,203 adults living in Massachusetts.

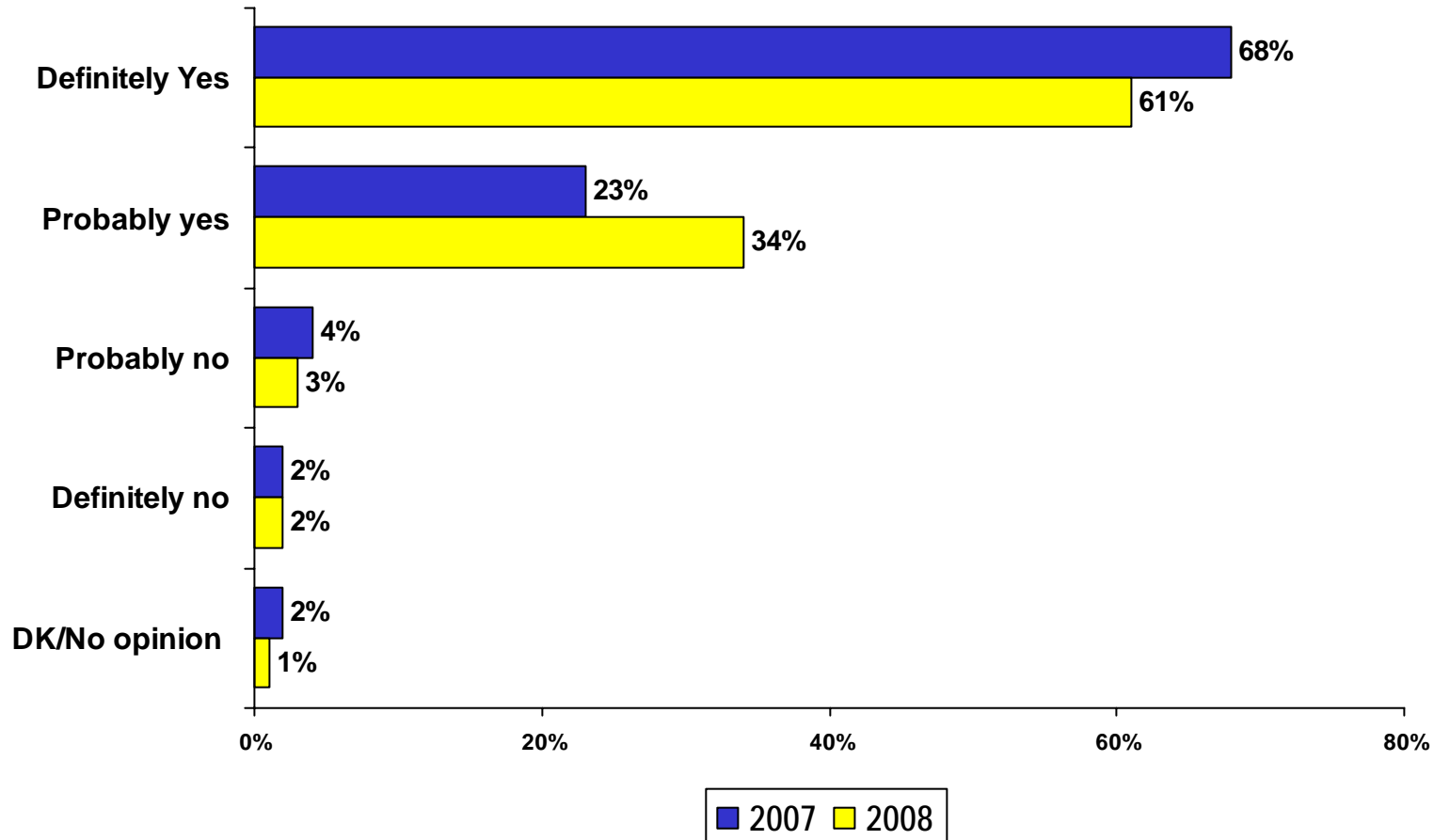
Should Massachusetts Become a Hub for Energy Technology Development?

- Nine out of 10 residents of the state (95%) think Massachusetts should become a national hub for energy technology development. The overall proportion who feel this way has not changed since the 2007 survey but the intensity of opinion has shifted somewhat from definitely yes to probably yes. Only 4% do not wish for this kind of leadership to be taken by their state.
 - Strong bi-partisan support exists for Massachusetts becoming a national hub for new energy technology: 92% of Republicans support this idea as do 98% of Democrats and 91% of Independents.
 - Interestingly 87% of those who oppose Cape Wind support Massachusetts becoming a hub for new energy technology.
 - Those who do not live on the Cape are more supportive of this idea than those who do (95% vs. 89%).

Should Massachusetts Become a Hub for Energy Technology Development?

Q2/Q6: In the 1980s, Massachusetts Route 128 was famous as the rival to California's Silicon Valley when it came to incubating new high-tech companies and emerging computer technologies. More than 20 years later, California is taking the lead with renewable energy. Should Massachusetts follow California in seeking to create new jobs and industries by becoming a national hub for new energy technology development? Would you say...?

Majority Say Yes



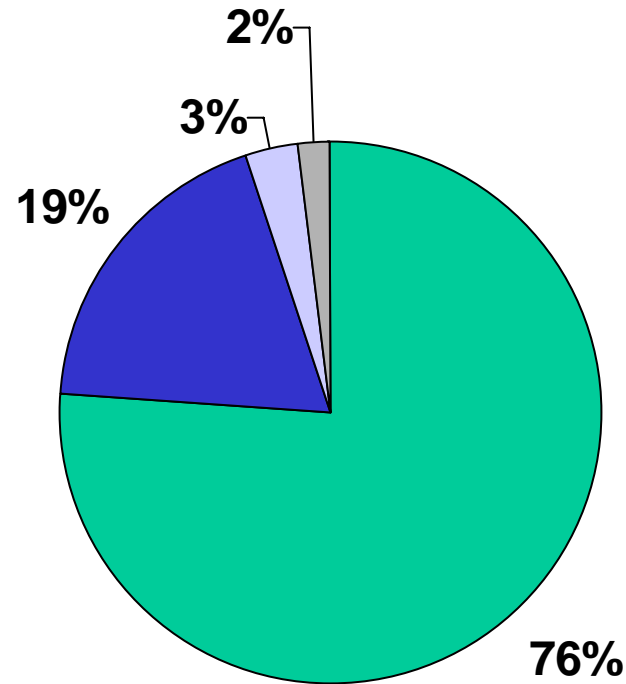
Base = Total respondents: 600 adults living in Massachusetts in 2007. In 2008: 1,203 adults living in Massachusetts.

Massachusetts Needs to “Unplug” from Coal- and Oil-Based Power and Plug Into Solar, Wind and Clean Energy

- Nearly all survey respondents wholeheartedly agree that it is time for their state to unplug from coal- and oil-based sources of energy and plug into clean energy sources such as wind and solar. Only 5% say this is not important.
 - Agreement across party lines is universal – Republicans 94%, Democrats 96% and Independents (96%).
 - Among those who oppose Cape Wind, support for the idea of unplugging is still high at 87%.
 - Agreement exists on this question between those who live on the Cape (92%) and those who do not (96%).

Massachusetts Needs to “Unplug” from Coal- and Oil-Based Power and Plug Into Solar, Wind and Clean Energy

Q3A: Energy costs have increased sharply in recent years. There is concern that electricity prices and home heating costs will continue to rise in the coming years due to growing demand for oil and coal. The rising cost of carbon-based fuels has made renewable energy sources such as solar and wind power more price competitive recently. How important do you think it is that Massachusetts take the steps needed now to unplug itself from coal- and oil-based power and plug in to solar, wind and other clean energy sources. Would you say...?



Base = Total respondents: In 2008: 1,203 adults living in Massachusetts.

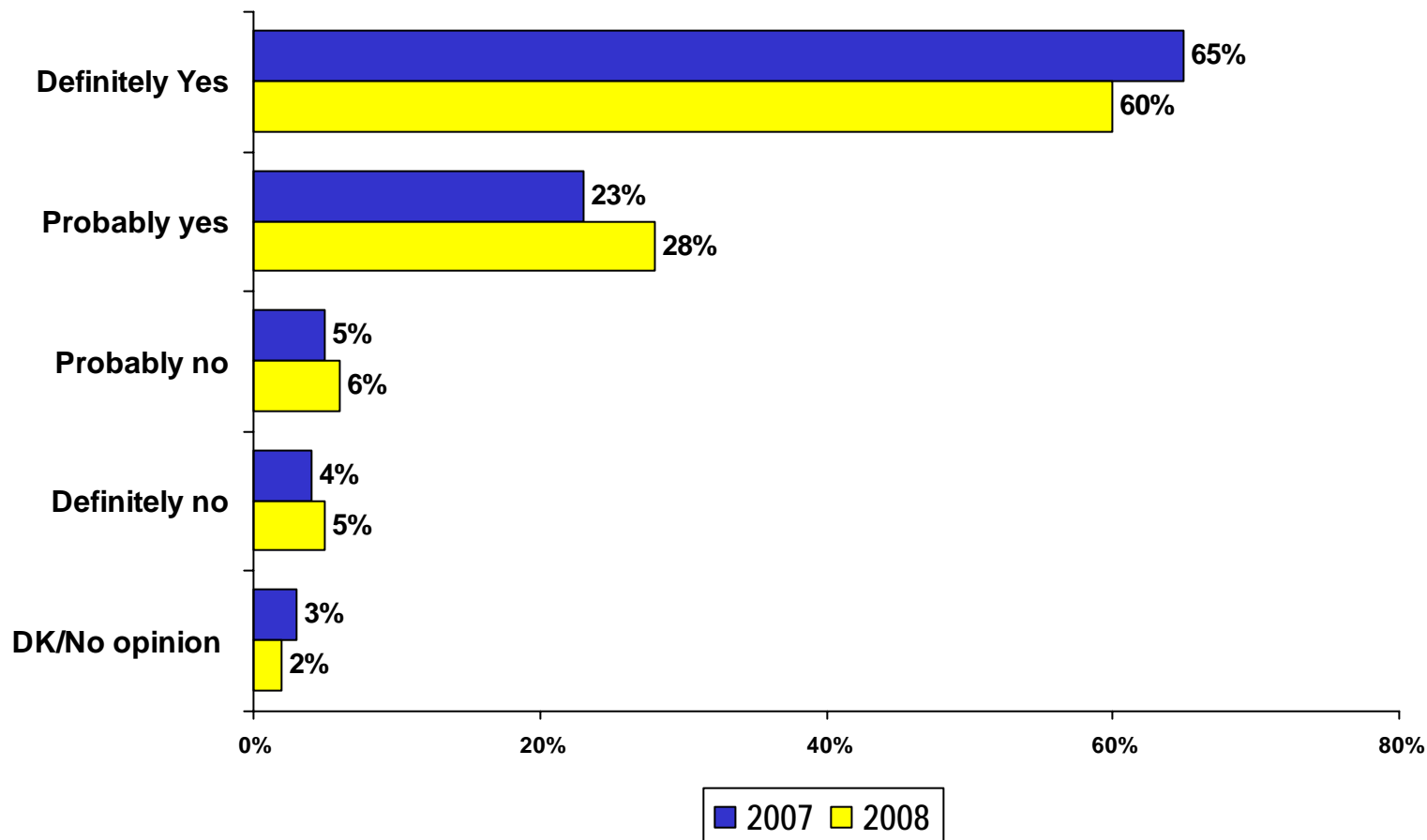
Should Governor Patrick Follow the Lead of Governor Schwarzenegger?

- More than eight in 10 (88%) Massachusetts residents think their governor should follow the lead of the governor of California when it comes to state government leadership on global warming solutions and the promotion of clean, renewable energy. Ten percent think that this should not happen. This survey finding is unchanged from the October 2007 survey.
 - Although males and females are both in favor of their governor taking a lead on global warming solutions, females are even more supportive of this idea than are males (92% vs. 83%).
 - Residents of the Cape are less likely to think their governor should follow the lead of the governor of California (79%) than those who live in other areas of the state (88%).
 - Democrats are more likely to support this idea (94%) than are Republicans (76%) or Independents (86%).
 - Those who support the Cape Wind initiative are also more likely to support this action on the part of their governor (90%).

Should Governor Patrick Follow the Lead of Governor Schwarzenegger?

Q3/Q7: California Governor Arnold Schwarzenegger has emerged as a state-level leader in the promotion of global-warming solutions and the promotion of renewable energy. Should Massachusetts Governor Deval Patrick follow his lead when it comes to state government leadership on global warming solutions and the promotion of clean, renewable energy? Would you say...

Majority Says Yes



Base = Total respondents: 600 adults living in Massachusetts in 2007. In 2008: 1,203 adults living in Massachusetts.

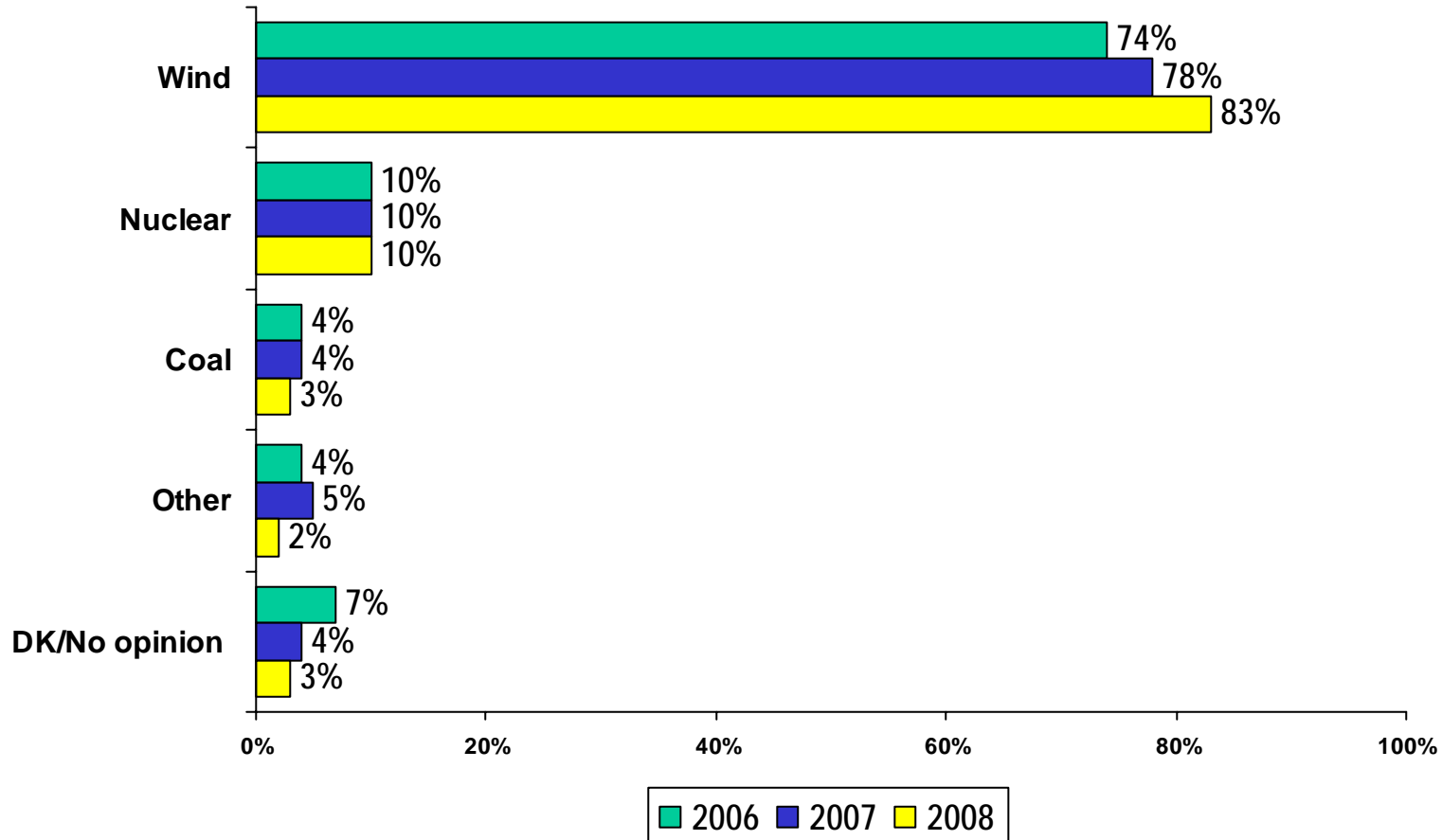
Which Energy Source is Favored the Most?

- Eighty-three percent of Massachusetts residents favor wind the most as the energy resource to provide electricity for Cape Cod and the Islands -- up from 78% in 2007 and 74% in 2006. One in 10 (10% in all three surveys) favor nuclear energy the most, while about 4% favor coal.
- In the 2008 survey...
 - Women are more likely than men to favor wind (86% vs. 79%).
 - Along party lines the support is strong and uniform: 86% of Democrats favor wind for powering the Cape compared to 82% of Independents and 78% of Republicans.
 - Respondents who live on the Cape/the Islands are less likely to favor wind energy the most (75%) compared to those who do not reside on the Cape/the Islands (83%). However the gap on this question is also closing. In the 2007 survey, only 61% of those who live on the Cape favored wind compared to 80% of non-Cape residents.
 - Those who support the Cape Wind initiative are more likely to favor wind as the primary energy source (87%) than those who oppose the initiative (57%). Interestingly, in the 2007 study, only 44% of those who opposed Cape Wind said they preferred wind as the Cape's energy source. That has increased to 57% in a few months.

Which Energy Resource is Favored the Most?

Q4/2/3: Which of the following energy sources would you favor the MOST to provide electricity for Cape Cod and the Islands?

Wind is the Preferred Energy Source



Base = Total respondents: 600 adults living in Massachusetts in 2006 and 2007. In 2008: 1,203 adults living in Massachusetts.

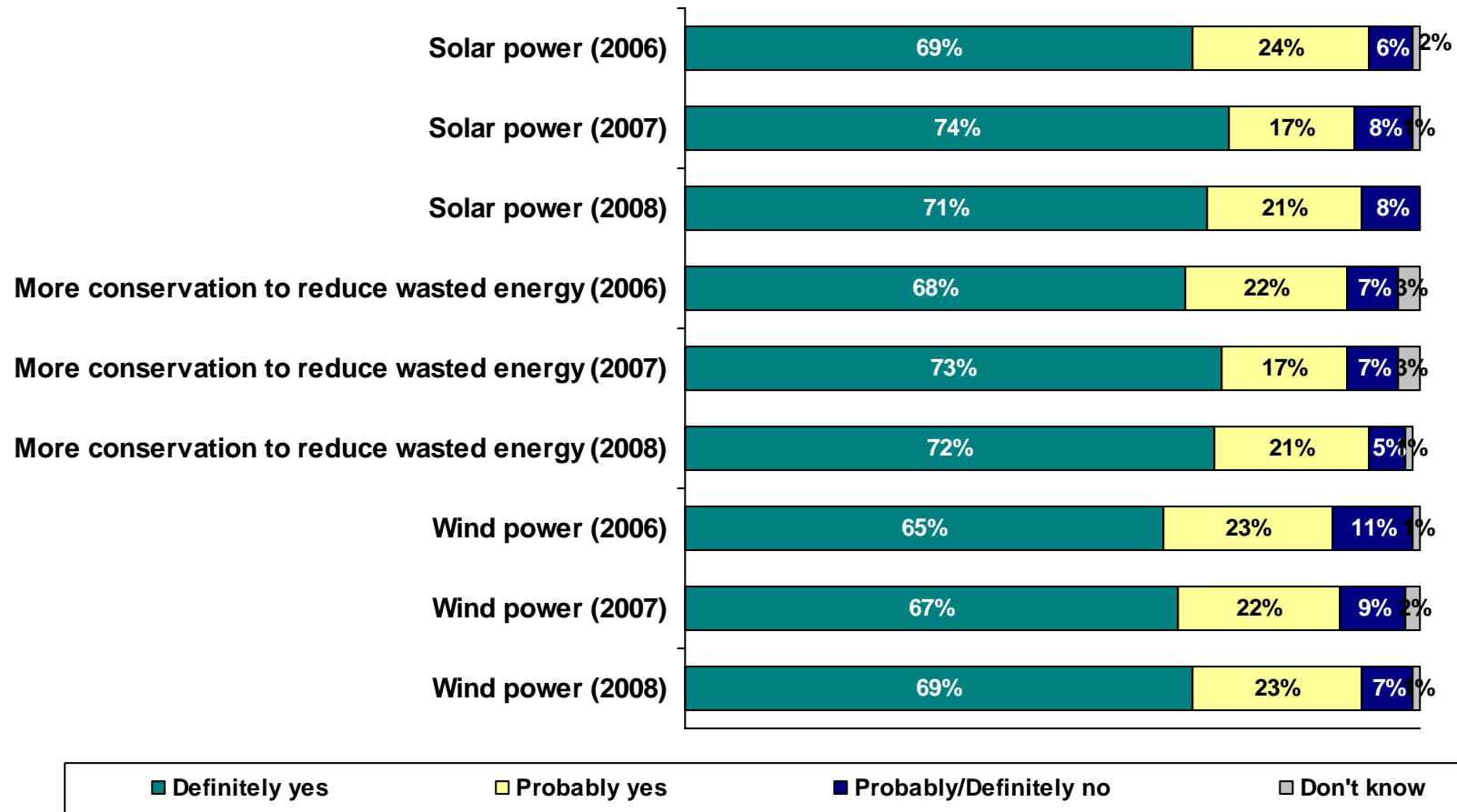
Explore Alternative Energy Before Adding Nuclear Power

- A substantial majority of Massachusetts adults are in favor of exploring solar power (91% in 2008 and 2007 and 93% in 2006), more conservation efforts to reduce wasted energy (94% in 2008, 90% in the 2007 and 2006 surveys) and exploring wind power (92% in 2008, 89% in 2007 and 88% in 2006) before adding more nuclear power to the state and country's energy sources.
 - In 2007 non-Cape respondents were more likely to favor exploring any of these three energy sources compared to those who do reside on the Cape/the Islands.
 - Solar: Non-Cape 92%, Cape 84%
 - Conservation: Non-Cape 91%, Cape 81%
 - Wind: Non-Cape 91%, Cape 75%
 - In 2008, this gap has again narrowed:
 - Solar: Non-Cape 91%, Cape 89%
 - Conservation: Non-Cape 94%, Cape 94%
 - Wind: Non-Cape 93%, Cape 84%

Explore Alternative Energy Before Adding Nuclear Power

Q7/6/5: Some people are discussing the possibility of using more nuclear power in Massachusetts and the rest of the United States. Would you prefer to see the U.S. explore the use of any of the following safe and sustainable alternative energy steps and resources BEFORE we resort to adding more nuclear power? Would you say definitely yes, probably yes, probably no or definitely no?

Massachusetts Residents Prefer Exploring Alternative Energy Sources



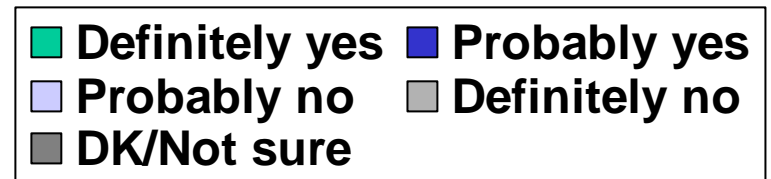
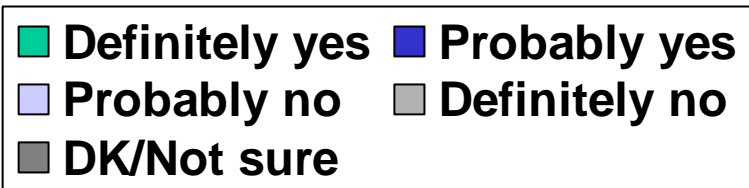
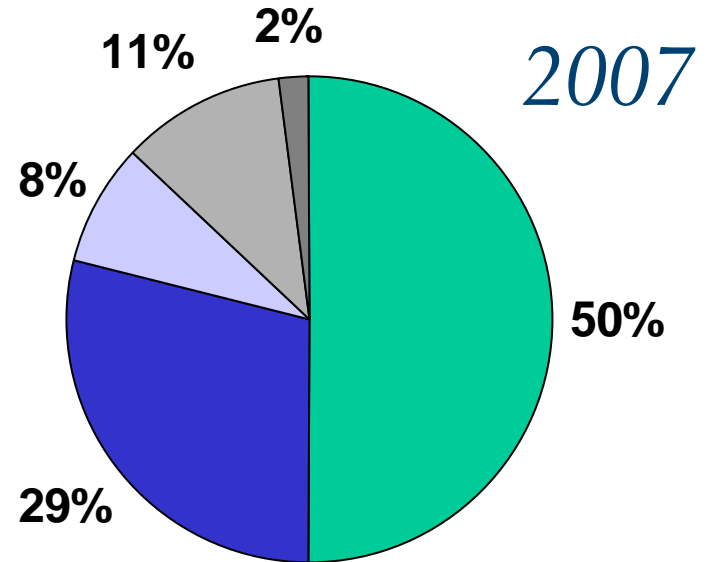
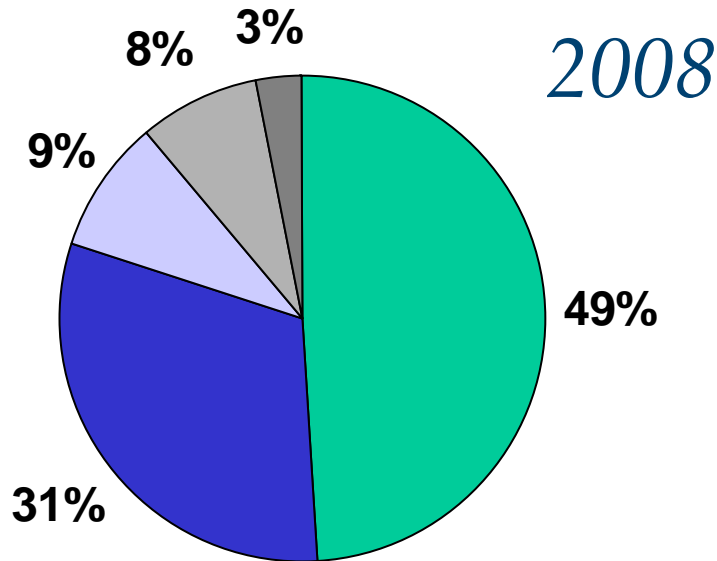
Base = Total respondents: 600 adults living in Massachusetts in 2006 and 2007. In 2008: 1,203 adults living in Massachusetts.

A Five-Year Moratorium on Coal Fired Power Plants in Return for Investment on Clean, Safe, Renewable Energy

- Eight in 10 Massachusetts residents – up slightly from 78% in 2007, would support a five-year moratorium on building coal-fired electricity generating plants if in return there was stepped-up investment in clean, safe renewable energy and improved home energy efficiency standards. Seventeen percent would not support such a moratorium even if it meant increased alternative energy investment.
 - Women are much more likely to support this than are men (85% vs. 75%).
 - Support for a moratorium on coal-fired power plants is stronger among Massachusetts residents who do not live on the Cape (81%) than those who do (77%).
 - Democrats are more likely to support the ban (86%) than are Republicans (71%) or Independents (75%).

A Five-Year Moratorium on Coal Fired Power Plants in Return for Investment on Clean, Safe, Renewable Energy

Q8/9: More than half of power-plant generated electricity comes from coal. Experts say that power plants are responsible for about 40 percent of U.S. carbon dioxide pollution linked to global warming. There are plans to build more than 100 new coal-fired power plants over the next several years. Would you support a five year moratorium on new coal-fired power plants on the East Coast and the rest of the United States if there were stepped up investment on clean, safe renewable energy – such as wind and solar – and improved home efficiency standards? Would you say...



Base = Total respondents: 600 adults living in Massachusetts in 2007. In 2008: 1,203 adults living in Massachusetts.

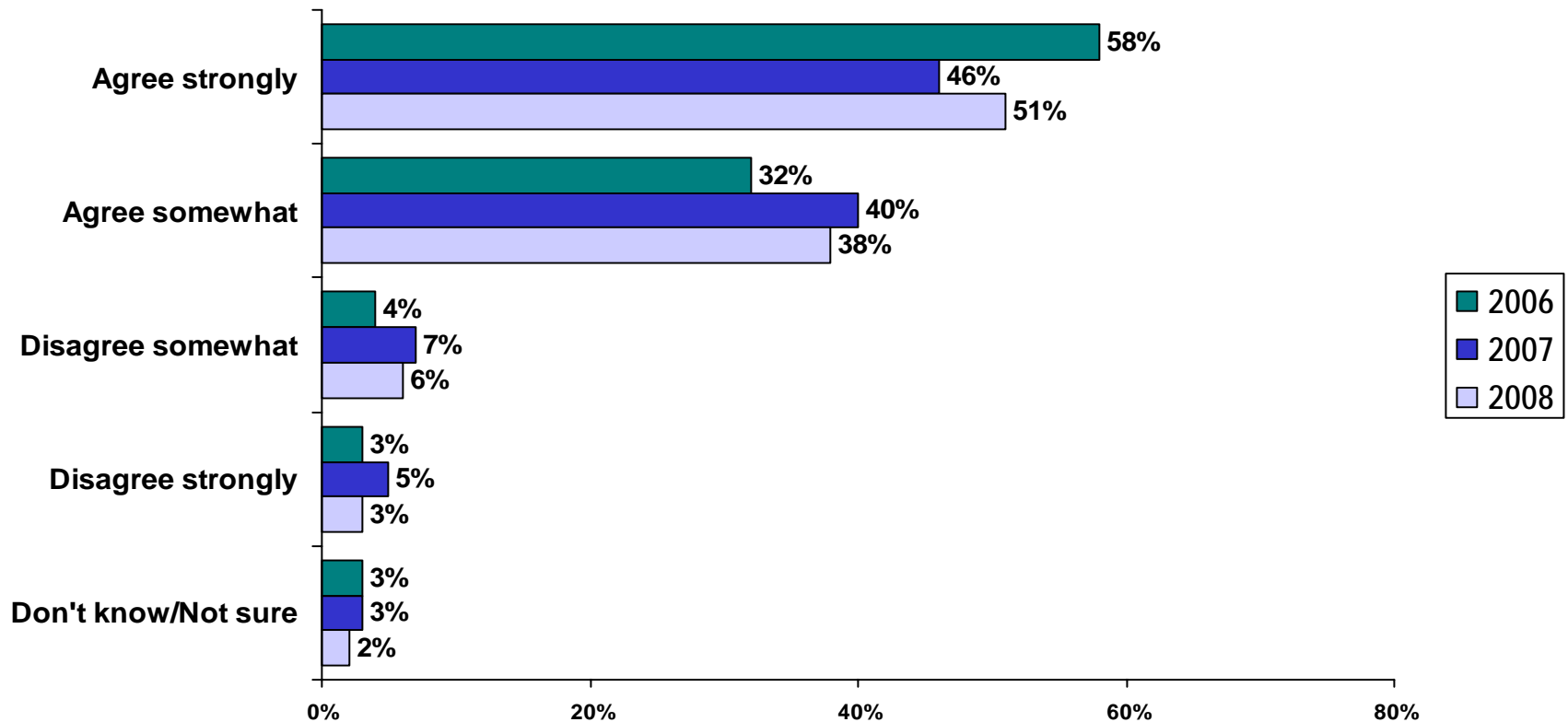
Need for Transitional Technologies to Reduce Global Warming and Reliance on Foreign Oil

- About nine in 10 Massachusetts adults (88% in 2008, 85% in 2007 and 90% in 2006) agree that we need transitional technologies to reduce global warming and our reliance on foreign oil. Only 9% in 2008 disagree – a figure which was 12% in the 2007 survey and 7% in 2006.
- In 2008
 - Women are more likely than men to agree with this statement (91% vs. 85%).
 - Massachusetts adults who do not live on the Cape/the Islands are as likely agree (89%) as those who do reside on the Cape/the Islands (84%). This represents another change since the October 2007 survey when the results were 87% non-Cape vs. 71% Cape.

Need for Transitional Technologies to Reduce Global Warming and Reliance on Foreign Oil

Q7: Please listen to the following statement: "The problem of reliance on foreign oil and the serious effects of global warming require that we take timely and decisive steps for renewable, safe and clean energy sources. We need transitional technologies on our path to energy independence. There are tough choices to be made and tradeoffs. We cannot afford to postpone decisions since there are no perfect options." Do you agree or disagree with this statement? Would you say you ... (2006)

Q13/16: Please listen to this statement. The effects of global warming require that we take timely and decisive steps for renewable, safe and clean energy sources. We need transitional technologies on our path to energy independence. There are tough choices to be made and trade offs. We cannot afford to postpone decisions since there are no perfect options. Would you say you... (2007)



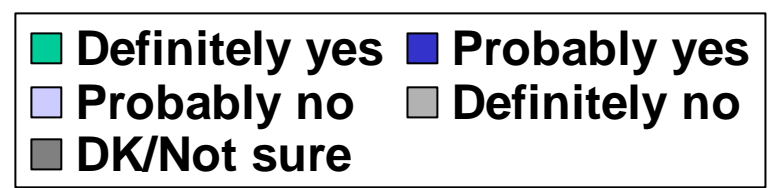
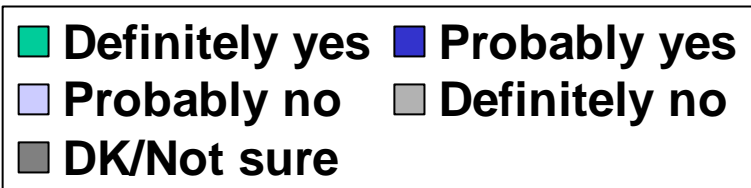
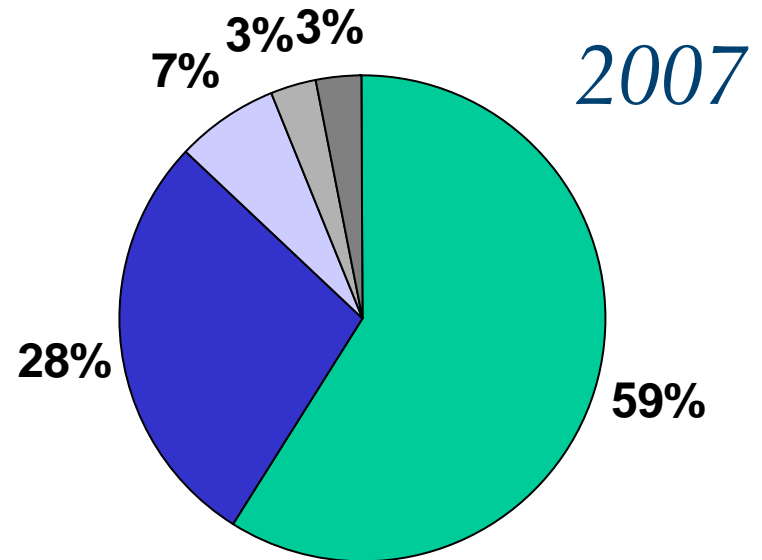
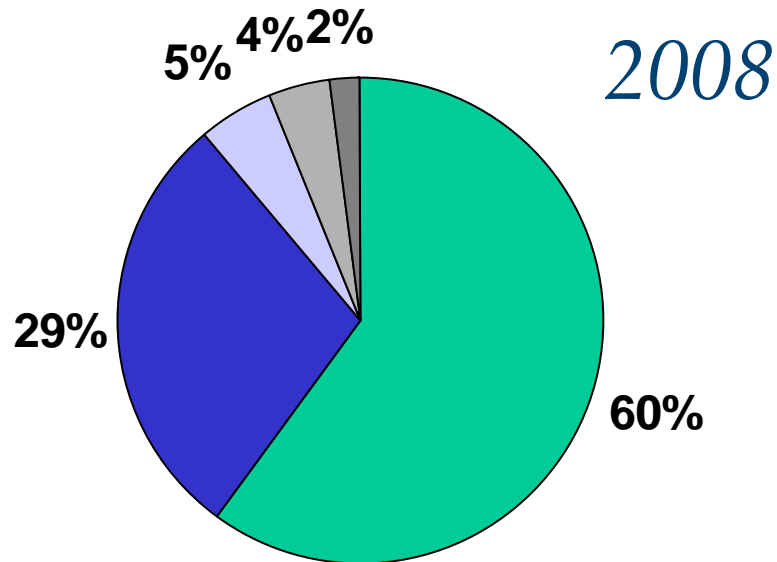
Base = Total respondents: 600 adults living in Massachusetts in 2007. In 2008: 1,203 adults living in Massachusetts.

Support for Enhanced Home Energy-Efficiency Standards

- Most respondents (89%) are also in favor of enhanced energy-efficiency standards for homes to decrease heating and cooling energy consumption and bills for consumers. Ten percent are not in favor of such action. This finding is unchanged from the 2007 survey.
 - Women are more likely to support this idea than men (91% vs. 87%).
 - In 2007 non-Cape respondents were much more likely to support this idea (89%), than those who live on the Cape (77%). In 2008, this has changed and there is virtually no difference between Cape (88%) and non-Cape (89%).
 - Democrats are more likely to support this idea (94%) than Independents (88%) or Republicans (79%).

Support for Enhanced Home Energy-Efficiency Standards

Q9/10: Would you favor enhanced home energy-efficiency standards in Massachusetts and the rest of the United States in order to decrease heating and cooling energy consumption and related bills for consumers? Would you say...



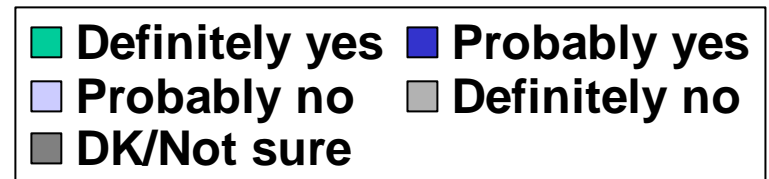
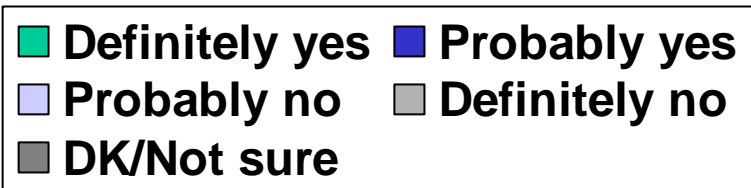
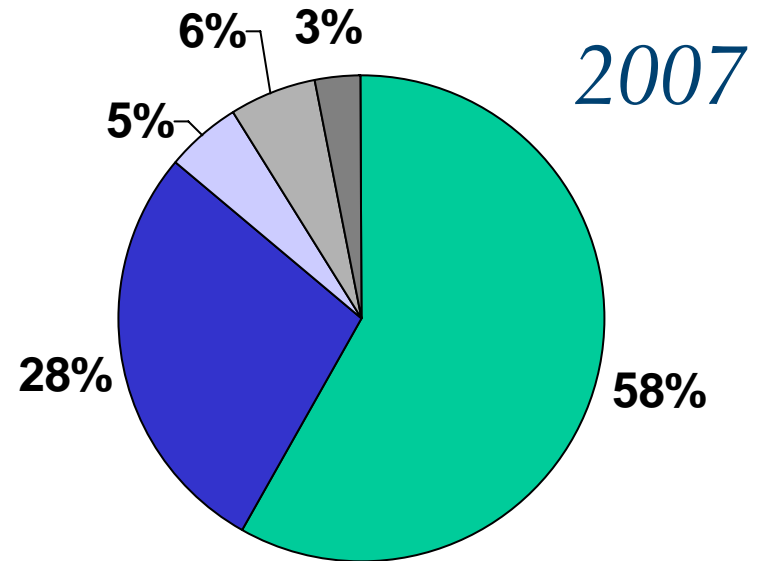
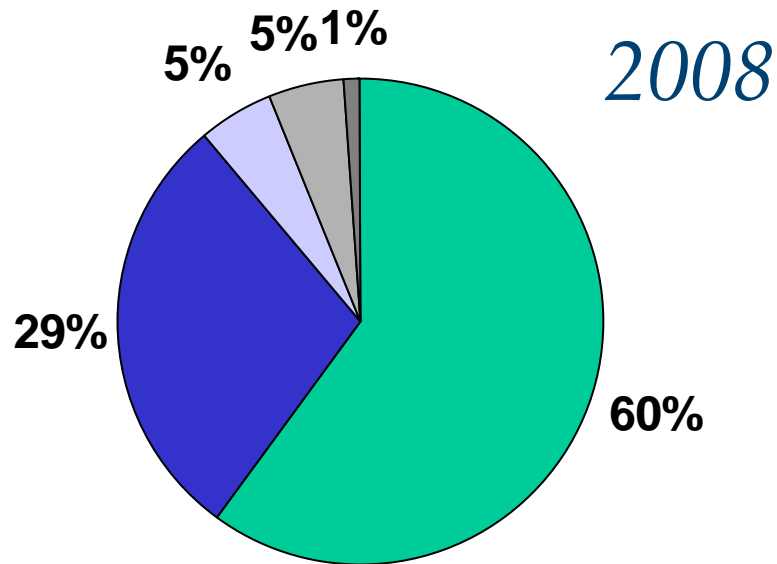
Base = Total respondents: 600 adults living in Massachusetts in 2007. In 2008: 1,203 adults living in Massachusetts.

Support for Tax Incentives for New Construction to Use Available Energy Saving Technologies

- Residents of Massachusetts are in favor of state and federal tax incentives for new construction that takes advantage of energy-efficiency technologies that lower energy use and the energy bills consumers have to pay. Eighty-nine percent in 2008 and 87% percent in 2007 say definitely or probably yes that they would favor such a tax incentive. Ten percent would not be in favor.
 - Among Democrats, support is at 92% compared to Republicans (84%) and Independents (83%).
 - Those in households with incomes of less than \$25,000 are less likely to support this tax incentive than those in households with incomes of \$75,000 or more (85% vs. 93%).
 - In 2007 a substantial majority (91%) of those who supported the Cape Wind initiative supported these tax incentives compared to only 61% of those who do not support Cape Wind. By 2008, this has changed to 90% among those who favor Cape Wind and 80% of those who oppose it.

Support for Tax Incentives for New Construction to Use Available Energy Saving Technologies

Q10/11: Would you favor state and federal tax incentives for new construction that use available home energy-efficiency technologies and construction methods in Massachusetts and the rest of the United States in order to decrease heating and cooling energy consumption and related bills for consumers? Would you say...



Base = Total respondents: 600 adults living in Massachusetts in 2007. In 2008: 1,203 adults living in Massachusetts.

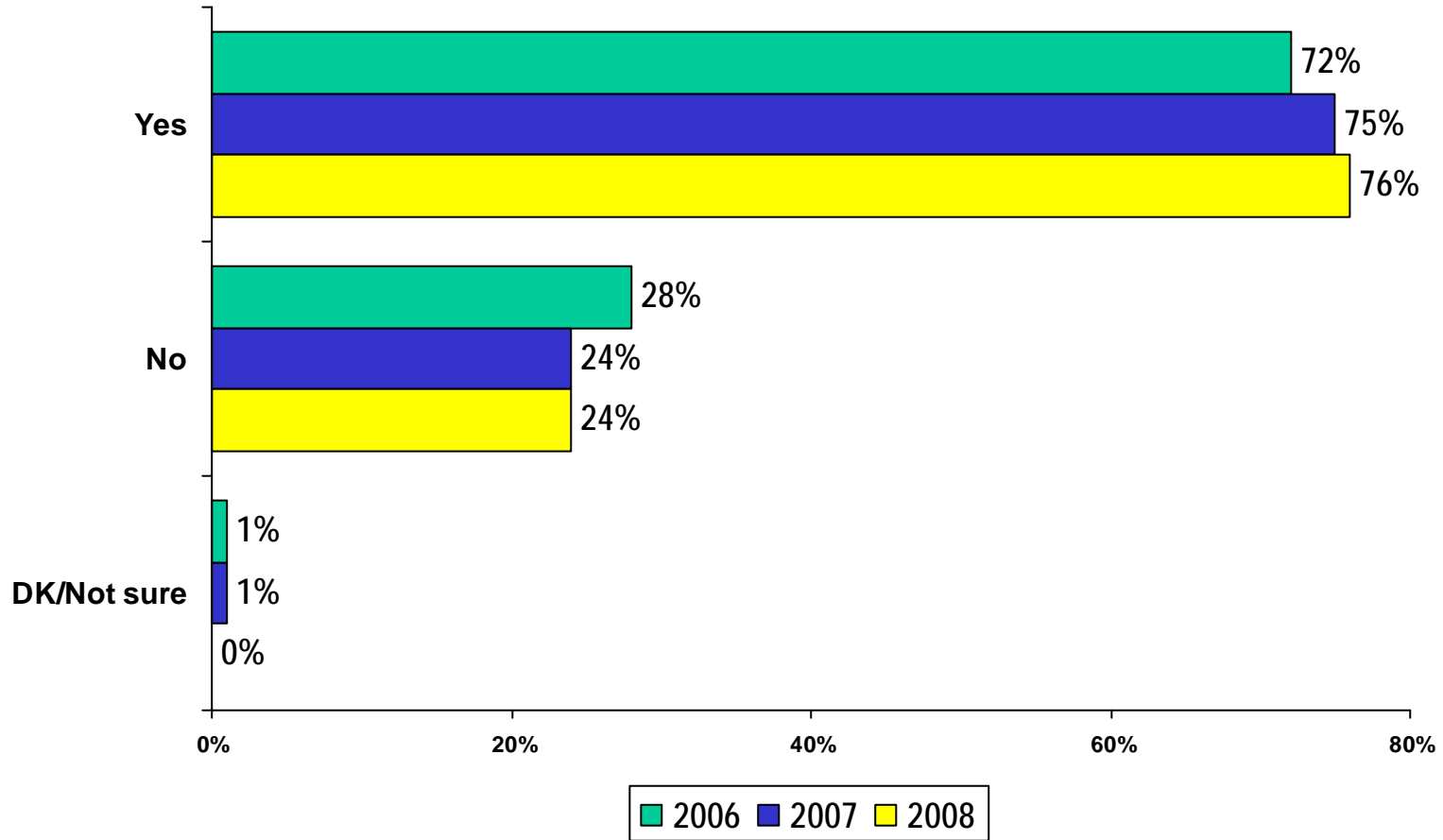
Aware of Cape Wind?

- More than seven in 10 Massachusetts adults (76% in 2008, 75% in 2007 and 72% in 2006) are aware of the public discussion about Cape Wind, the offshore wind farm proposed for Nantucket Sound, while 24% in 2008 and 2007 and 28% in 2006 say they have not heard about the project.
- In 2008...
 - Men are more likely than women to have heard of this issue (80% vs. 72%).
 - Respondents aged 35 and older are more likely to be aware (83%) compared to those aged 18-24 (37%).
 - Awareness is a bit higher among Republicans (80%) compared to Democrats (74%) and Independents (72%).
 - Massachusetts adults who reside on the Cape/the Islands are more likely to be aware (90%) than those who do not live on the Cape/the Islands (75%).
 - Those in households with incomes of \$25,000 or less are the least likely to be aware (52%) and awareness increases as household income does topping out at 86% among those in households with \$75,000 or more in annual income.
 - Those with a college degree are more likely to be aware (85%) and awareness declines as education does to 74% among those with some college, 63% among high school graduates and 39% among those with less than a high school education.

Aware of Cape Wind?

Q5/3/4: Are you aware of the public discussion about Cape Wind, the offshore wind farm proposed for Nantucket Sound?

Awareness is High



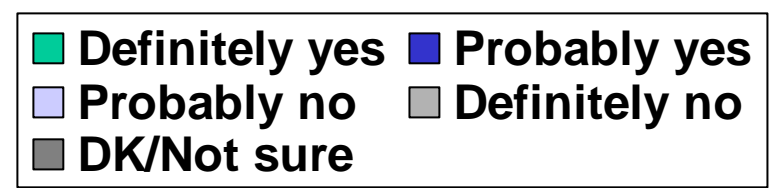
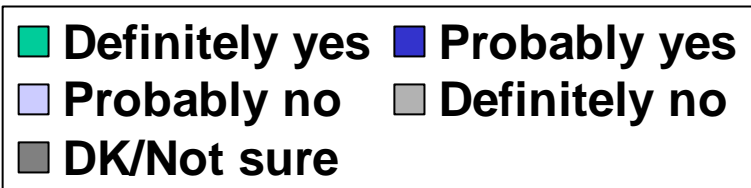
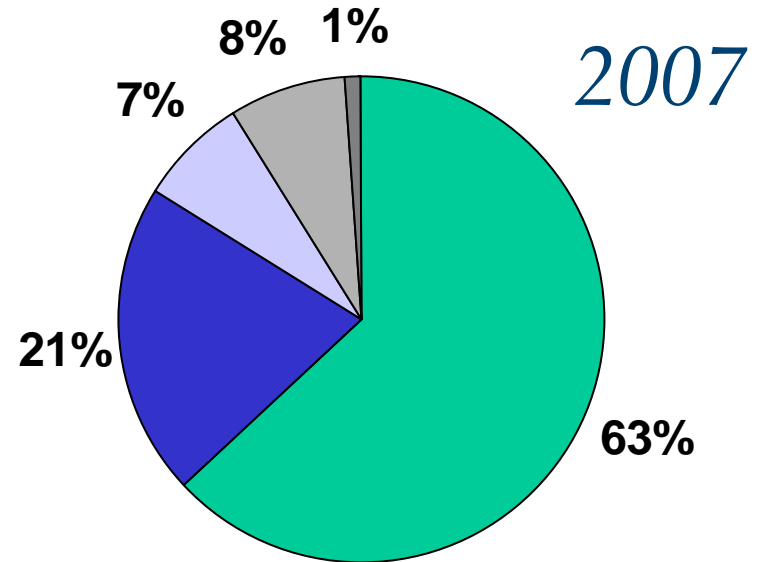
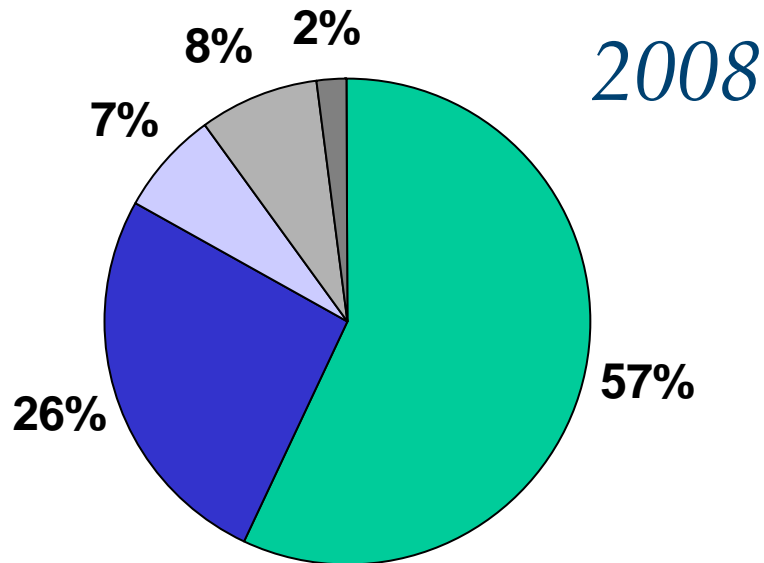
Base = Total respondents: 600 adults living in Massachusetts in 2006 and 2007. In 2008: 1,203 adults living in Massachusetts.

Using Federal Highway Trust Fund Dollars for Alternative Fuel Development

- There is also a great deal of support for using a significant portion of the money in the Federal Highway Trust Fund that comes from gasoline taxes, for research into alternative energy sources. Eighty-two percent of respondents say they would definitely or probably support such a use of the funds. Only 15% would not support it.
 - Although the difference is not significant due to smaller sample sizes, it is interesting to note that support for this idea decreases as the age of the respondent increases. Ninety-two percent of those age 18-24 support this idea compared to only 76% of those 65 and over.
 - In 2007, those who did not live on the Cape or the Islands were more likely to support this idea than those who do (85% vs. 73%.) In the 2008 survey the results are Cape 84%, non-Cape 82%.
 - Democrats are more likely to support this use of the trust fund money (90%) than are Republicans (76%) or Independents (74%).
 - Those who support the Cape Wind initiative are more likely to support this use of Federal funds (84%) than those who do not support Cape Wind (75%).

Using Federal Highway Trust Fund Dollars for Alternative Fuel Development

Q11/12: Every time you fill up the gas tank in your car or other vehicle, you put money into the Federal Highway Trust Fund. Would you support using a significant portion of those federal tax funds generated from gasoline sales to accelerate research and development into alternative fuel and energy sources that could reduce dependence on Middle East oil and also cut global-warming pollution? Would you say...



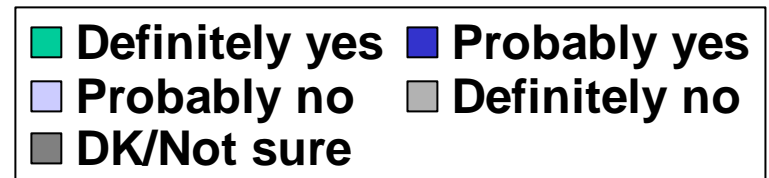
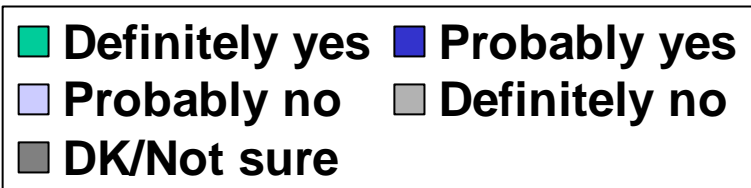
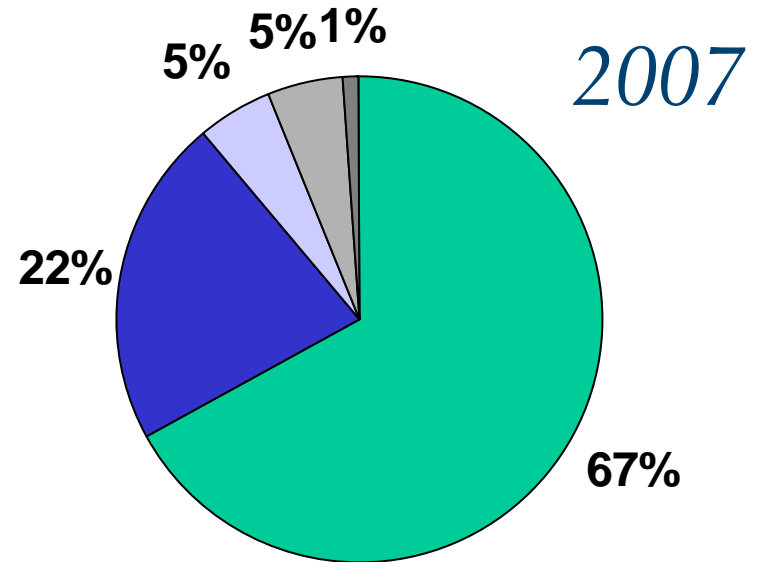
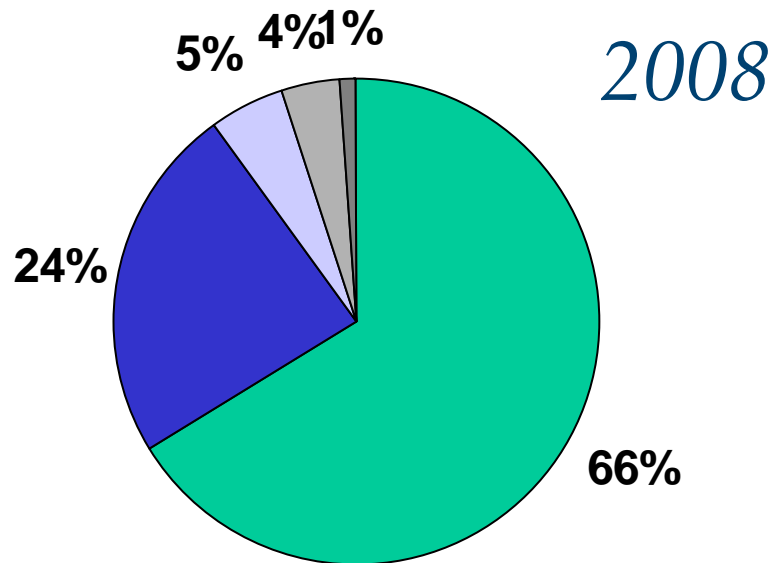
Base = Total respondents: 600 adults living in Massachusetts in 2007. In 2008: 1,203 adults living in Massachusetts.

Higher Fuel Efficiency Standards for Cars are Needed Now

- Support for higher federal fuel-efficiency standards now, is high in Massachusetts, as it is in the rest of the country. Nine out of 10 respondents (91%) think these standards should be raised now to reduce dependence on Middle Eastern oil and the effects of global warming. Only 9% do not think they should be raised.
 - Women are more likely than men (94% vs. 87%) to think these standards need to be increased immediately.
 - Support is also higher among Democrats (95%) than it is among Republicans (83%) or Independents (88%).
 - Among those who support the Cape Wind initiative, support for higher fuel-efficiency standards is higher than among those who do not support Cape Wind (91% vs. 88%).

Higher Fuel Efficiency Standards for Cars are Needed Now

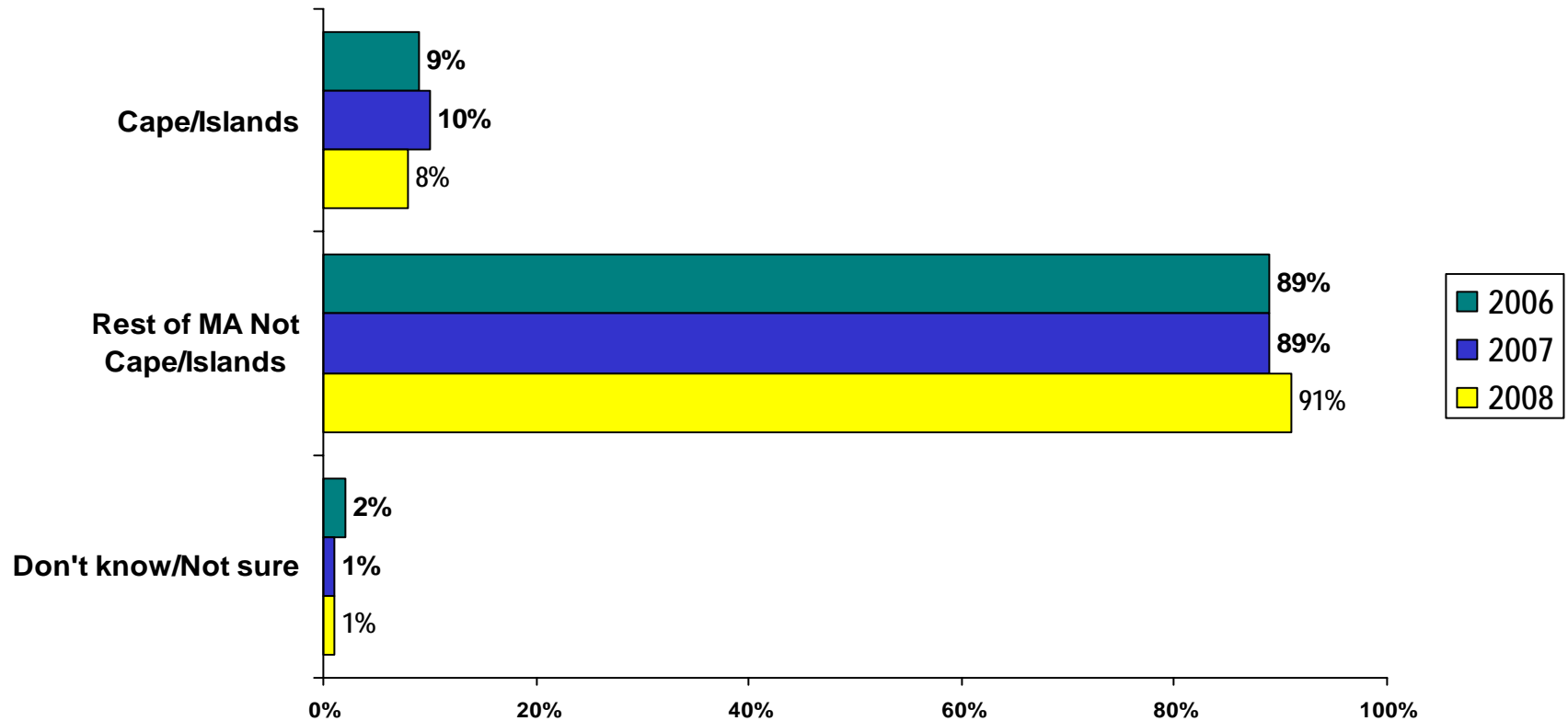
Q12/15: What do you think of the following statement: "We need higher federal fuel-efficiency standards for vehicles now in order to conserve more energy, making us less dependent on Middle Eastern oil, and to reduce the ill effects of global warming." Would you say you...



Base = Total respondents: 600 adults living in Massachusetts in 2007. In 2008: 1,203 adults living in Massachusetts.

Where Live in Massachusetts?

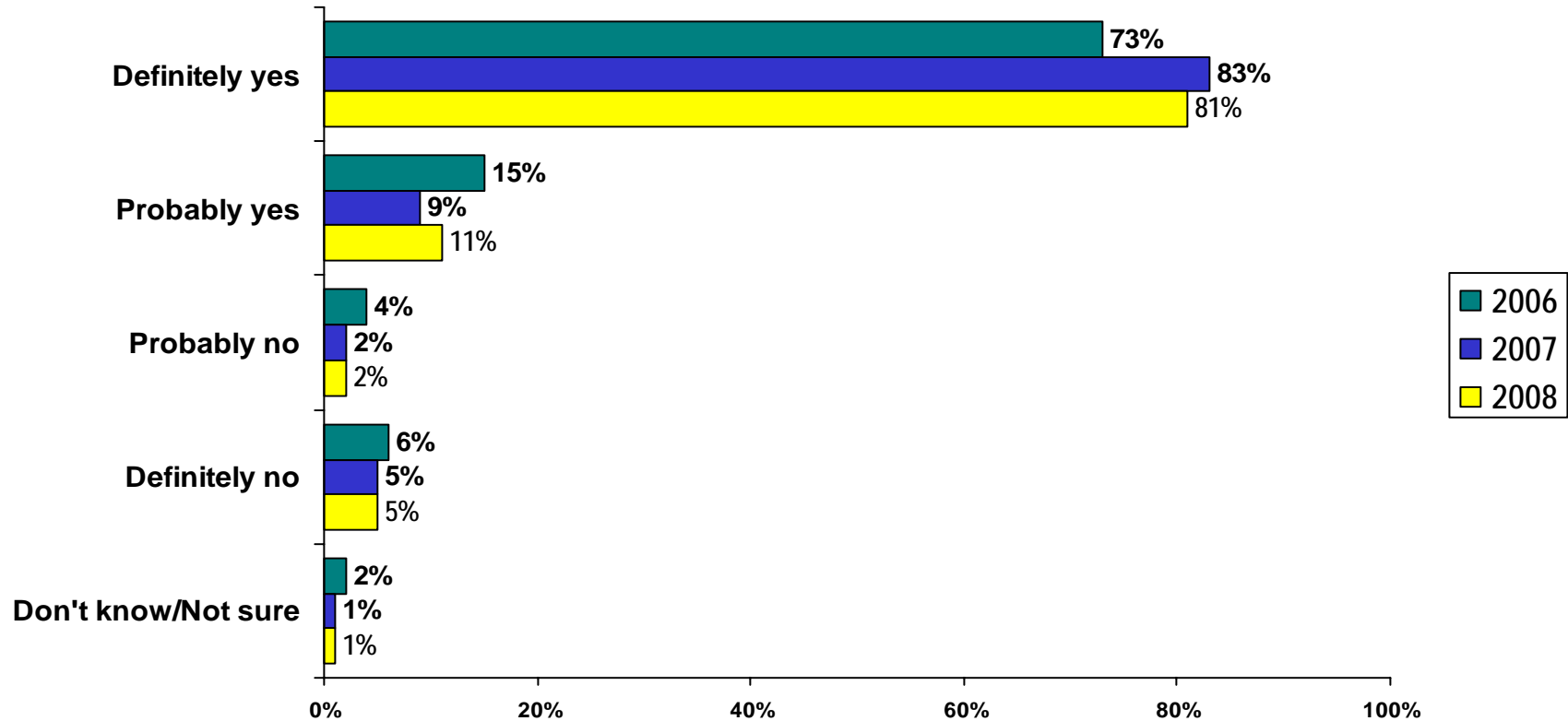
Q14/17/9: Where do you live in Massachusetts? Would you say...



Base = Total respondents: 600 adults living in Massachusetts in 2006 and 2007. In 2008: 1,203 adults living in Massachusetts.

Vote Intention

Q15/19/10: Do you intend to vote in the 2006 or 2008 elections? Would you say...



Base = Total respondents: 600 adults living in Massachusetts in 2006 and 2007. In 2008: 1,203 adults living in Massachusetts.

APPENDIX

RELIABILITY OF SURVEY PERCENTAGES

Results of any sample are subject to sampling variation. The magnitude of the variation is measurable and is affected by the number of interviews and the level of the percentages expressing the results.

The table below shows the possible sample variation that applies to percentage results reported herein. The chances are 95 in 100 that a survey result does not vary, plus or minus, by more than the indicated number of percentage points from the result that would be obtained if interviews had been conducted with all persons in the universe represented by the sample.

Size of Sample on Which Survey Results Are Based	Approximate Sampling Tolerances Applicable to Percentages At or Near These Levels				
	<u>10% or 90%</u>	<u>20% or 80%</u>	<u>30% or 70%</u>	<u>40% or 60%</u>	<u>50%</u>
1,000 interviews	2%	2%	3%	3%	3%
500 interviews	3%	4%	4%	4%	4%
250 interviews	4%	5%	6%	6%	6%
100 interviews	6%	8%	9%	10%	10%

Additional Sampling Tolerances for Samples of 1,000 Interviews

<u>9% or 91%</u> 2%	<u>8% or 92%</u> 2%	<u>7% or 93%</u> 2%	<u>6% or 94%</u> 1%	<u>5% or 95%</u> 1%
<u>4% or 96%</u> 1%	<u>3% or 97%</u> 1%	<u>2% or 98%</u> 1%	<u>1% or 99%</u> 2%	

SAMPLING TOLERANCES WHEN COMPARING TWO SAMPLES

Tolerances are also involved in the comparison of results from independent parts of the sample. A difference, in other words, must be of at least a certain number of percentage points to be considered statistically significant – that is not due to random chance. The table below is a guide to the sampling tolerances in percentage points applicable to such comparisons, based on a 95% confidence level.

Size of Samples Compared	Differences Required for Significance At or Near These Percentage Levels				
	10% or 90%	20% or 80%	30% or 70%	40% or 60%	50%
1,000 and 1,000	3%	4%	4%	4%	4%
1,000 and 500	3%	4%	5%	5%	5%
1,000 and 250	4%	6%	6%	7%	7%
1,000 and 100	6%	8%	9%	10%	10%
500 and 500	4%	5%	6%	6%	6%
500 and 250	5%	6%	7%	7%	8%
500 and 100	6%	9%	10%	11%	11%
250 and 250	5%	7%	8%	9%	9%
250 and 100	7%	9%	11%	11%	12%
100 and 100	8%	11%	13%	14%	14%

MASSACHUSETTS CAPE WIND STUDY- 2008

February 2008

35972

1203 MA RESIDENTS 18 AND OLDER

Conducted February 22-26, 2008

TELEPHONE #
STATE
COUNTY
METRO
ADI
ADI RANK
REP
SURVEY # (LAST 3 DIGITS)
CALL

TELEPHONE NUMBER: () _____ TIME ENDED: _____

TIME STARTED: _____

LENGTH: _____ (MINUTES)

DATE: _____

INTERVIEWER: _____

I.D.: _____

Hello, my name is _____. I'm calling from Opinion Research Corporation. We're conducting a survey of Massachusetts residents on a subject of interest to the public. We would like to have your household participate. We are not selling any products or services. We are only asking your opinions. Your answers will remain confidential. This call may be monitored or recorded for quality assurance purposes.

Now, may I please speak to the youngest (male/female) 18 years of age or older who lives in this household.

RECORD GENDER

01 MALE
02 FEMALE

First of all...

Q1 Massachusetts could be a national leader in using cleaner and renewable energy on a large scale by moving ahead with offshore wind power, and other alternative-energy initiatives. Do you think it is a good or bad idea for Massachusetts to be a leader in this way? Would you say . . . [READ LIST. RECORD ONE ANSWER]
(N=1,203)

72% It is a very good idea
22 Somewhat good idea
2 Somewhat bad idea
3 Or a very bad idea
1 DON'T KNOW/NOT SURE

Q1A An August 2007 study found that the clean energy sector in Massachusetts already supports 14,400 jobs and is poised to be the tenth largest source of employment in the state. The same survey found that California is the state's biggest clean energy competitor – but that California has more “clean energy friendly” regulations than the Bay State. Which of the following statements do you agree with more?

78% Massachusetts should reduce regulatory red tape and other barriers to the widespread use of clean energy technology and jobs
17 Massachusetts should not change its rules and regulations to encourage more clean energy technology and jobs
5 DON'T KNOW/NOT SURE

Q2 In the 1980s, Massachusetts' Route 128 was famous as the rival to California's Silicon Valley when it came to incubating new high-tech companies and emerging computer technologies. More than 20 years later, California is taking the lead with renewable energy. Should Massachusetts follow California in seeking to create new jobs and industries by becoming a national hub for new energy technology development? Would you say...[READ LIST. RECORD ONE ANSWER]

61% Definitely yes
34 Probably yes
3 Probably no
2 Definitely no
1 DON'T KNOW/NOT SURE

Q3 California Governor Arnold Schwarzenegger has emerged as a state-level leader in the promotion of global-warming solutions and the promotion of renewable energy. Should Massachusetts Governor Deval Patrick follow his lead when it comes to state government leadership on global warming solutions and the promotion of clean, renewable energy? Would you say...[READ LIST. RECORD ONE ANSWER]

60% Definitely yes
28 Probably yes
6 Probably no
5 Definitely no
2 DON'T KNOW/NOT SURE

Q3A Energy costs have increased sharply in recent years. There is concern that electricity prices and home heating costs will continue to rise in the coming years due to growing global demand for oil and coal. The rising cost of carbon-based fuels has made renewable energy sources such as solar and wind power more price competitive recently. How important do you think it is that Massachusetts take the steps needed now to “unplug” itself from coal- and oil-based power and “plug in” to solar, wind and other clean energy sources?

76% Very important
 19 Somewhat important
 3 Not very important
 2 Not important at all
 -- DON'T KNOW/NOT SURE

Q4 Which of the following energy resources would you favor the MOST to provide electricity for Cape Cod and the Islands? [READ ENTIRE LIST BEFORE RECORDING ONE ANSWER. ROTATE 01-03]

83% Wind
 10 Nuclear
 3 Coal
 2 OTHER
 3 DON'T KNOW/NOT SURE

Q5 Are you aware of the public discussion about Cape Wind, the offshore wind farm proposed for Nantucket Sound?

76% YES
 24 NO
 - DON'T KNOW/NOT SURE

Q6 The proposed Cape Wind offshore wind farm would involve wind turbines being placed in Nantucket Sound about five and a half miles from the Town of Hyannis. It is estimated that the project could produce enough power for about 75 percent of Cape Cod’s electricity needs. People who support the project say it is needed to generate clean, renewable alternative energy for Cape Cod and also to reduce our reliance on imported energy without increasing global-warming emissions. People who oppose the project say it might be visually unappealing, could interfere with recreational sailing or other navigation, and might endanger birds.

After hearing these positions, do you strongly support the proposed Cape Wind project, somewhat support it, somewhat oppose it, or strongly oppose it?

57% SUPPORT IT STRONGLY
 29 SUPPORT IT SOMEWHAT
 8 OPPOSE IT SOMEWHAT
 5 OPPOSE IT STRONGLY
 2 DON'T KNOW/NOT SURE

Q6A In January 2008, the federal government’s Minerals Management Service released an environmental impact statement that found no major harms to the environment resulting from the Cape Wind project for Nantucket Sound. Knowing this, would you say that you are more or less likely to support Cape Wind?

- 54% Quite a bit more likely
- 34 Somewhat more likely
- 3 Somewhat less likely
- 4 Quite a bit less likely
- 5 NO CHANGE IN OPINION
- 1 DON’T KNOW/NOT SURE

Q6B Today, Massachusetts trails nearly all other states – such as Texas -- when it comes to the development and deployment of clean energy wind technology and related jobs. Experts say that Massachusetts could move up the list from the bottom 10 states where it is now, to the top 10 states in terms of wind power production, if it moves ahead with the Cape Wind project in Nantucket Sound. Knowing this, would you say that you are...

- 54% Quite a bit more likely
- 34 Somewhat more likely
- 5 Somewhat less likely
- 4 Quite a bit less likely to support Cape Wind
- 3 DON’T KNOW/NOT SURE

Q7 Some people are discussing the possibility of using more nuclear power in Massachusetts and the rest of the United States. Would you prefer to see the U.S. explore the use of any of the following safe and sustainable alternative energy steps and resources BEFORE we resort to adding more nuclear power? Would you say definitely yes, probably yes, probably no or definitely no? [READ AND ROTATE ITEMS]

- A. More conservation to reduce wasted energy
 - 72% Definitely yes
 - 21 Probably yes
 - 3 Probably no
 - 2 Definitely no
 - 1 DON’T KNOW/NOT SURE

- B. Wind power
 - 69% Definitely yes
 - 23 Probably yes
 - 4 Probably no
 - 3 Definitely no
 - 1 DON’T KNOW/NOT SURE

- C. Solar power
 - 71% Definitely yes
 - 21 Probably yes
 - 5 Probably no
 - 1 Definitely no
 - 1 DON'T KNOW/NOT SURE

Q8 More than half of power plant-generated electricity comes from coal. Experts say that power plants are responsible for about 40 percent of U.S. carbon dioxide pollution linked to global warming. There are plans to build more than 100 new coal-fired power plants over the next several years. Would you support a five-year moratorium on new coal-fired power plants on the East Coast and the rest of the United States if there was stepped-up investment on clean, safe renewable energy – such as wind and solar – and improved home energy-efficiency standards? Would you say... [READ LIST. RECORD ONE ANSWER]

- 49% Definitely yes
- 31 Probably yes
- 9 Probably no
- 8 Definitely no
- 2 DON'T KNOW/NOT SURE

Q8a Are you aware that the coal-fired power plants that supply a great deal of the electric power in Massachusetts get a substantial amount of their coal from two sources – mountain top removal coal mining that has destroyed 500 mountains in the United States and also from the world's largest open pit coal mine in Colombia that has been linked to human rights abuses? Knowing this, would you say that you are more or less likely to support the following...?

a. The Cape Wind project and other renewable energy projects. Would you say...

- 58% Definitely more
- 27 Somewhat more
- 6 Somewhat less
- 6 Quite a bit less
- 3 DON'T KNOW/NOT SURE

b. A five-year moratorium on coal-fired power plants in Massachusetts and the rest of the United States. Would you say...

- 42% Definitely more
- 27 Somewhat more
- 13 Somewhat less
- 14 Quite a bit less
- 4 DON'T KNOW/NOT SURE

Q9 Would you favor enhanced home energy-efficiency standards in Massachusetts and the rest of the United States in order to decrease heating and cooling energy consumption and related bills for consumers? Would you say...[READ LIST. RECORD ONE ANSWER]

60% Definitely yes
29 Probably yes
5 Probably no
4 Definitely no
1 DON'T KNOW/NOT SURE

Q10 Would you favor state and federal tax incentives for new construction that use available home energy-efficiency technologies and construction methods in Massachusetts and the rest of the United States in order to decrease heating and cooling energy consumption and related bills for consumers? Would you say... [READ LIST. RECORD ONE ANSWER]

60% Definitely yes
29 Probably yes
5 Probably no
5 Definitely no
1 DON'T KNOW/NOT SURE

Q11 Every time you fill up the gas tank in your car or other vehicle, you put money into the Federal Highway Trust Fund. Would you support using a significant portion of those federal tax funds generated from gasoline sales to accelerate research and development into alternative fuel and energy sources that could reduce dependence on Middle East oil and also cut global-warming pollution? Would you say...[READ LIST. RECORD ONE ANSWER]

57% Definitely yes
26 Probably yes
7 Probably no
8 Definitely no
2 DON'T KNOW/NOT SURE

Q12 What do you think of the following statement: "We need higher federal fuel-efficiency standards for vehicles now in order to conserve more energy, making us less dependent on Middle Eastern oil, and to reduce the ill effects of global warming." Would you say you... [READ LIST. RECORD ONE ANSWER]

66% Strongly agree
24 Somewhat agree
5 Somewhat disagree
4 Strongly disagree
1 DON'T KNOW/NOT SURE

- Q13 Please listen to this statement. "The effects of global warming require that we take timely and decisive steps for renewable, safe and clean energy sources. We need transitional technologies on our path to energy independence. There are tough choices to be made and tradeoffs. We cannot afford to postpone decisions since there are no perfect options."

How much do you agree or disagree with this statement? Would you say you... [READ LIST. RECORD ONE ANSWER]

51%	Strongly agree
38	Somewhat agree
6	Somewhat disagree
3	Strongly disagree
2	DON'T KNOW/NOT SURE

And now, just a few questions for background purposes...

- Q14 Where do you live in Massachusetts? Would you say . . . [READ LIST. RECORD ONE ANSWER]

8%	On the Cape or the Islands
91	Not on the Cape or the Islands
1	DECLINED/REFUSED

- SP1 In politics, as of today, do you consider yourself a Republican, a Democrat, or an Independent?

12%	REPUBLICAN
32	DEMOCRAT
51	INDEPENDENT
1	OTHER PARTY
3	DON'T KNOW/REFUSED

- Q15 Do you intend to vote in the 2008 elections? Would you say . . . [READ LIST. RECORD ONE ANSWER]

5%	Definitely no
2	Probably no
11	Probably yes
81	Definitely yes
1	DON'T KNOW/NOT SURE